

hello: file format elf64-x86-64

Contents of section .interp:

400200 2f6c6962 36342f6c 642d6c69 6e75782d /lib64/ld-linux-x86-64.so.2.
400210 7838362d 36342e73 6f2e3200

Contents of section .note.ABI-tag:

40021c 04000000 10000000 01000000 474e5500GNU.
40022c 00000000 02000000 06000000 12000000

Contents of section .note.gnu.build-id:

40023c 04000000 14000000 03000000 474e5500GNU.
40024c 7c2829a5 28dbcb63 4af5ffd2 441ef63b |().(.cJ...D.;
40025c 89cf452b ..E+

Contents of section .gnu.hash:

400260 01000000 01000000 01000000 00000000
400270 00000000 00000000 00000000

Contents of section .dynsym:

400280 00000000 00000000 00000000 00000000
400290 00000000 00000000 01000000 20000000
4002a0 00000000 00000000 00000000 00000000
4002b0 1a000000 12000000 00000000 00000000
4002c0 00000000 00000000 1f000000 12000000
4002d0 00000000 00000000 00000000 00000000

Contents of section .dynstr:

4002e0 005f5f67 6d6f6e5f 73746172 745f5f00 __gmon_start__.
4002f0 6c696263 2e736f2e 36007075 7473005f libc.so.6.puts.
400300 5f6c6962 635f7374 6172745f 6d61696e _libc_start_main
400310 00474c49 42435f32 2e322e35 00 .GLIBC_2.2.5.

Contents of section .gnu.version:

40031e 00000000 02000200

Contents of section .gnu.version_r:

400328 01000100 10000000 10000000 00000000
400338 751a6909 00000200 31000000 00000000 u.i.....1.....

Contents of section .rela.dyn:

400348 58086000 00000000 06000000 01000000 X.`.....
400358 00000000 00000000

Contents of section .rela.plt:

400360 78086000 00000000 07000000 02000000 x.`.....
400370 00000000 00000000 80086000 00000000`.....
400380 07000000 03000000 00000000 00000000

Contents of section .init:

400390 4883ec08 e8730000 00e80201 0000e8ed H....s.....
4003a0 01000048 83c408c3 ...H....

Contents of section .plt:

4003a8 ff35ba04 2000ff25 bc042000 0f1f4000 .5.. ..%.. ..@.
4003b8 ff25ba04 20006800 000000e9 e0ffffff %.. .h.....
4003c8 ff25b204 20006801 000000e9 d0ffffff %.. .h.....

Contents of section .text:

4003e0 31ed4989 d15e4889 e24883e4 f0505449 1.I..^H..H...PTI
4003f0 c7c0f004 400048c7 c1000540 0048c7c7@.H....@.H..
400400 c4044000 e8bfffffff fff49090 4883ec08 ..@.....H...
400410 488b0541 04200048 85c07402 ffd04883 H..A. .H..t...H.
400420 c408c390 90909090 90909090 90909090
400430 554889e5 534883ec 08803d50 04200000 UH..SH....=P. ..
400440 754b8bb8 06600048 8b054a04 20004881 uK...`.H..J. .H.
400450 ebb00660 0048c1fb 034883eb 014839d8 ...`.H..H...H9.
400460 7324660f 1f440000 4883c001 48890525 s\$f..D..H...H..%
400470 042000ff 14c5b006 6000488b 05170420`.H....
400480 004839d8 72e2c605 03042000 014883c4 .H9.r..... .H..
400490 085bc9c3 6666662e 0f1f8400 00000000 .[...fff.....
4004a0 48833d18 02200000 554889e5 7412b800 H.=... ..UH..t...
4004b0 00000048 85c07408 bfc00660 00c9ffe0 ...H..t....`....
4004c0 c9c39090 554889e5 4883ec10 897dfc48UH..H....}.H

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4004d0 8975f0bf e8054000 e8dbfeff ffb80000 .u....@.....
4004e0 0000c9c3 90909090 90909090 90909090 .....
4004f0 f3c36666 6666662e 0f1f8400 00000000 ..fffff.....
400500 48896c24 d84c8964 24e0488d 2d8b0120 H.l$.L.d$.H.-..
400510 004c8d25 84012000 4c896c24 e84c8974 .L.%.. .L.l$.L.t
400520 24f04c89 7c24f848 895c24d0 4883ec38 $.L.|$.H.\$.H..8
400530 4c29e541 89fd4989 f648c1fd 034989d7 L).A..I..H...I..
400540 e84bfeff ff4885ed 741c31db 0f1f4000 .K...H..t.l...@.
400550 4c89fa4c 89f64489 ef41ff14 dc4883c3 L..L..D..A...H..
400560 014839eb 72ea488b 5c240848 8b6c2410 .H9.r.H.\$.H.l$.
400570 4c8b6424 184c8b6c 24204c8b 7424284c L.d$.L.l$ L.t$(L
400580 8b7c2430 4883c438 c3909090 90909090 .|$0H..8.....
400590 554889e5 534883ec 08488b05 00012000 UH..SH...H....
4005a0 4883f8ff 7419bba0 0660000f 1f440000 H...t....`...D..
4005b0 4883eb08 ffd0488b 034883f8 ff75f148 H....H..H...u.H
4005c0 83c4085b c9c39090 ...[.....
Contents of section .fini:
4005c8 4883ec08 e85ffeff ff4883c4 08c3 H...._...H....
Contents of section .rodata:
4005d8 01000200 00000000 00000000 00000000 .....
4005e8 48656c6c 6f20776f 726c6421 00 Hello world!..
Contents of section .eh_frame_hdr:
4005f8 011b033b 24000000 03000000 ccfefefff ...;$.....
400608 40000000 f8fefefff 60000000 08fefefff @.....`.....
400618 78000000 x...
Contents of section .eh_frame:
400620 14000000 00000000 017a5200 01781001 .....zR...x..
400630 1b0c0708 90010000 1c000000 1c000000 .....
400640 84fefefff 20000000 00410e10 8602430d .... .A....C.
400650 065b0c07 08000000 14000000 3c000000 .[.....<...
400660 90fefefff 02000000 00000000 00000000 .....
400670 24000000 54000000 88fefefff 89000000 $.T.....
400680 00518c05 86065f0e 4083078f 028e038d .Q...._@.....
400690 0402580e 08000000 00000000 ..X.....
Contents of section .ctors:
6006a0 ffffffff ffffffff 00000000 00000000 .....
Contents of section .dtors:
6006b0 ffffffff ffffffff 00000000 00000000 .....
Contents of section .jcr:
6006c0 00000000 00000000 .....
Contents of section .dynamic:
6006c8 01000000 00000000 10000000 00000000 .....
6006d8 0c000000 00000000 90034000 00000000 .....@.....
6006e8 0d000000 00000000 c8054000 00000000 .....@.....
6006f8 f5fefefff 00000000 60024000 00000000 ...o....`@.....
600708 05000000 00000000 e0024000 00000000 .....@.....
600718 06000000 00000000 80024000 00000000 .....@.....
600728 0a000000 00000000 3d000000 00000000 .....=.....
600738 0b000000 00000000 18000000 00000000 .....
600748 15000000 00000000 00000000 00000000 .....
600758 03000000 00000000 60086000 00000000 .....`.\.....
600768 02000000 00000000 30000000 00000000 .....0.....
600778 14000000 00000000 07000000 00000000 .....
600788 17000000 00000000 60034000 00000000 .....`@.....
600798 07000000 00000000 48034000 00000000 .....H.@.....
6007a8 08000000 00000000 18000000 00000000 .....
6007b8 09000000 00000000 18000000 00000000 .....
6007c8 feffff6f 00000000 28034000 00000000 ...o....(.@.....
6007d8 ffffff6f 00000000 01000000 00000000 ...o.....
6007e8 f0ffff6f 00000000 1e034000 00000000 ...o.....@.....
6007f8 00000000 00000000 00000000 00000000 .....
600808 00000000 00000000 00000000 00000000 .....
600818 00000000 00000000 00000000 00000000 .....

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600828 00000000 00000000 00000000 00000000
600838 00000000 00000000 00000000 00000000
600848 00000000 00000000 00000000 00000000
Contents of section .got:
600858 00000000 00000000
Contents of section .got.plt:
600860 c8066000 00000000 00000000 00000000 ..'.....
600870 00000000 00000000 be034000 00000000@.....
600880 ce034000 00000000 ..@.....
Contents of section .data:
600888 00000000
Contents of section .comment:
0000 4743433a 2028474e 55292034 2e342e36 GCC: (GNU) 4.4.6
0010 20323031 32303330 35202852 65642048 20120305 (Red H
0020 61742034 2e342e36 2d342900 4743433a at 4.4.6-4).GCC:
0030 2028474e 55292034 2e342e37 20323031 (GNU) 4.4.7 201
0040 32303331 33202852 65642048 61742034 20313 (Red Hat 4
0050 2e342e37 2d332900 .4.7-3).

Disassembly of section .init:

0000000000400390 <_init>:
400390: 48 83 ec 08 sub \$0x8,%rsp
400394: e8 73 00 00 00 callq 40040c <call_gmon_start>
400399: e8 02 01 00 00 callq 4004a0 <frame_dummy>
40039e: e8 ed 01 00 00 callq 400590 <__do_global_ctors_aux>
4003a3: 48 83 c4 08 add \$0x8,%rsp
4003a7: c3 retq

Disassembly of section .plt:

00000000004003a8 <puts@plt-0x10>:
4003a8: ff 35 ba 04 20 00 pushq 0x2004ba(%rip) # 600868 <_GLOBAL_
OFFSET_TABLE_+0x8>
4003ae: ff 25 bc 04 20 00 jmpq *0x2004bc(%rip) # 600870 <_GLOBAL_
_OFFSET_TABLE_+0x10>
4003b4: 0f 1f 40 00 nopl 0x0(%rax)

00000000004003b8 <puts@plt>:
4003b8: ff 25 ba 04 20 00 jmpq *0x2004ba(%rip) # 600878 <_GLOBAL_
_OFFSET_TABLE_+0x18>
4003be: 68 00 00 00 00 pushq \$0x0
4003c3: e9 e0 ff ff ff jmpq 4003a8 <_init+0x18>

00000000004003c8 <__libc_start_main@plt>:
4003c8: ff 25 b2 04 20 00 jmpq *0x2004b2(%rip) # 600880 <_GLOBAL_
_OFFSET_TABLE_+0x20>
4003ce: 68 01 00 00 00 pushq \$0x1
4003d3: e9 d0 ff ff ff jmpq 4003a8 <_init+0x18>

Disassembly of section .text:

00000000004003e0 <_start>:
4003e0: 31 ed xor %ebp,%ebp
4003e2: 49 89 d1 mov %rdx,%r9
4003e5: 5e pop %rsi
4003e6: 48 89 e2 mov %rsp,%rdx
4003e9: 48 83 e4 f0 and \$0xfffffffffffffffff0,%rsp
4003ed: 50 push %rax
4003ee: 54 push %rsp
4003ef: 49 c7 c0 f0 04 40 00 mov \$0x4004f0,%r8
4003f6: 48 c7 c1 00 05 40 00 mov \$0x400500,%rcx
4003fd: 48 c7 c7 c4 04 40 00 mov \$0x4004c4,%rdi

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400404:    e8 bf ff ff ff      callq 4003c8 <__libc_start_main@plt>
400409:    f4                  hlt
40040a:    90                  nop
40040b:    90                  nop

000000000040040c <call_gmon_start>:
40040c:    48 83 ec 08      sub    $0x8,%rsp
400410:    48 8b 05 41 04 20 00  mov    0x200441(%rip),%rax      # 600858 <_DY
NAMIC+0x190>
400417:    48 85 c0          test   %rax,%rax
40041a:    74 02            je     40041e <call_gmon_start+0x12>
40041c:    ff d0           callq *%rax
40041e:    48 83 c4 08      add    $0x8,%rsp
400422:    c3             retq
400423:    90             nop
400424:    90             nop
400425:    90             nop
400426:    90             nop
400427:    90             nop
400428:    90             nop
400429:    90             nop
40042a:    90             nop
40042b:    90             nop
40042c:    90             nop
40042d:    90             nop
40042e:    90             nop
40042f:    90             nop

0000000000400430 <__do_global_dtors_aux>:
400430:    55             push   %rbp
400431:    48 89 e5      mov    %rsp,%rbp
400434:    53             push   %rbx
400435:    48 83 ec 08      sub    $0x8,%rsp
400439:    80 3d 50 04 20 00 00  cmpb   $0x0,0x200450(%rip)      # 600890 <com
pleted.6349>
400440:    75 4b          jne   40048d <__do_global_dtors_aux+0x5d>
400442:    bb b8 06 60 00  mov    $0x6006b8,%ebx
400447:    48 8b 05 4a 04 20 00  mov    0x20044a(%rip),%rax      # 600898 <dto
r_idx.6351>
40044e:    48 81 eb b0 06 60 00  sub    $0x6006b0,%rbx
400455:    48 c1 fb 03      sar    $0x3,%rbx
400459:    48 83 eb 01      sub    $0x1,%rbx
40045d:    48 39 d8          cmp    %rbx,%rax
400460:    73 24          jae   400486 <__do_global_dtors_aux+0x56>
400462:    66 0f 1f 44 00 00  nopw  0x0(%rax,%rax,1)
400468:    48 83 c0 01      add    $0x1,%rax
40046c:    48 89 05 25 04 20 00  mov    %rax,0x200425(%rip)      # 600898 <dto
r_idx.6351>
400473:    ff 14 c5 b0 06 60 00  callq *0x6006b0(,%rax,8)
40047a:    48 8b 05 17 04 20 00  mov    0x200417(%rip),%rax      # 600898 <dto
r_idx.6351>
400481:    48 39 d8          cmp    %rbx,%rax
400484:    72 e2          jb     400468 <__do_global_dtors_aux+0x38>
400486:    c6 05 03 04 20 00 01  movb   $0x1,0x200403(%rip)      # 600890 <com
pleted.6349>
40048d:    48 83 c4 08      add    $0x8,%rsp
400491:    5b             pop    %rbx
400492:    c9             leaveq
400493:    c3             retq
400494:    66 66 66 2e 0f 1f 84  data32 data32 nopw %cs:0x0(%rax,%rax,1)
40049b:    00 00 00 00 00

00000000004004a0 <frame_dummy>:

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 4004a0:      48 83 3d 18 02 20 00      cmpq   $0x0,0x200218(%rip)      # 6006c0 <__J
CR_END__>
 4004a7:      00
 4004a8:      55                          push   %rbp
 4004a9:      48 89 e5                    mov    %rsp,%rbp
 4004ac:      74 12                        je     4004c0 <frame_dummy+0x20>
 4004ae:      b8 00 00 00 00              mov    $0x0,%eax
 4004b3:      48 85 c0                     test   %rax,%rax
 4004b6:      74 08                        je     4004c0 <frame_dummy+0x20>
 4004b8:      bf c0 06 60 00              mov    $0x6006c0,%edi
 4004bd:      c9                          leaveq
 4004be:      ff e0                        jmpq   *%rax
 4004c0:      c9                          leaveq
 4004c1:      c3                          retq
 4004c2:      90                          nop
 4004c3:      90                          nop

00000000004004c4 <main>:
 4004c4:      55                          push   %rbp
 4004c5:      48 89 e5                    mov    %rsp,%rbp
 4004c8:      48 83 ec 10                  sub    $0x10,%rsp
 4004cc:      89 7d fc                      mov    %edi,-0x4(%rbp)
 4004cf:      48 89 75 f0                  mov    %rsi,-0x10(%rbp)
 4004d3:      bf e8 05 40 00              mov    $0x4005e8,%edi
 4004d8:      e8 db fe ff ff              callq  4003b8 <puts@plt>
 4004dd:      b8 00 00 00 00              mov    $0x0,%eax
 4004e2:      c9                          leaveq
 4004e3:      c3                          retq
 4004e4:      90                          nop
 4004e5:      90                          nop
 4004e6:      90                          nop
 4004e7:      90                          nop
 4004e8:      90                          nop
 4004e9:      90                          nop
 4004ea:      90                          nop
 4004eb:      90                          nop
 4004ec:      90                          nop
 4004ed:      90                          nop
 4004ee:      90                          nop
 4004ef:      90                          nop

00000000004004f0 <__libc_csu_fini>:
 4004f0:      f3 c3                        repz  retq
 4004f2:      66 66 66 66 66 2e 0f        data32 data32 data32 data32 nopw %cs:0x0(%rax,%
rax,1)
 4004f9:      1f 84 00 00 00 00 00        nopw

0000000000400500 <__libc_csu_init>:
 400500:      48 89 6c 24 d8              mov    %rbp,-0x28(%rsp)
 400505:      4c 89 64 24 e0              mov    %r12,-0x20(%rsp)
 40050a:      48 8d 2d 8b 01 20 00        lea   0x20018b(%rip),%rbp      # 60069c <__i
nit_array_end>
 400511:      4c 8d 25 84 01 20 00        lea   0x200184(%rip),%r12     # 60069c <__i
nit_array_end>
 400518:      4c 89 6c 24 e8              mov    %r13,-0x18(%rsp)
 40051d:      4c 89 74 24 f0              mov    %r14,-0x10(%rsp)
 400522:      4c 89 7c 24 f8              mov    %r15,-0x8(%rsp)
 400527:      48 89 5c 24 d0              mov    %rbx,-0x30(%rsp)
 40052c:      48 83 ec 38                  sub    $0x38,%rsp
 400530:      4c 29 e5                      sub    %r12,%rbp
 400533:      41 89 fd                      mov    %edi,%r13d
 400536:      49 89 f6                      mov    %rsi,%r14
 400539:      48 c1 fd 03                  sar    $0x3,%rbp

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40053d: 49 89 d7 mov %rdx,%r15
400540: e8 4b fe ff ff callq 400390 <_init>
400545: 48 85 ed test %rbp,%rbp
400548: 74 1c je 400566 <__libc_csu_init+0x66>
40054a: 31 db xor %ebx,%ebx
40054c: 0f 1f 40 00 nopl 0x0(%rax)
400550: 4c 89 fa mov %r15,%rdx
400553: 4c 89 f6 mov %r14,%rsi
400556: 44 89 ef mov %r13d,%edi
400559: 41 ff 14 dc callq *(%r12,%rbx,8)
40055d: 48 83 c3 01 add $0x1,%rbx
400561: 48 39 eb cmp %rbp,%rbx
400564: 72 ea jb 400550 <__libc_csu_init+0x50>
400566: 48 8b 5c 24 08 mov 0x8(%rsp),%rbx
40056b: 48 8b 6c 24 10 mov 0x10(%rsp),%rbp
400570: 4c 8b 64 24 18 mov 0x18(%rsp),%r12
400575: 4c 8b 6c 24 20 mov 0x20(%rsp),%r13
40057a: 4c 8b 74 24 28 mov 0x28(%rsp),%r14
40057f: 4c 8b 7c 24 30 mov 0x30(%rsp),%r15
400584: 48 83 c4 38 add $0x38,%rsp
400588: c3 retq
400589: 90 nop
40058a: 90 nop
40058b: 90 nop
40058c: 90 nop
40058d: 90 nop
40058e: 90 nop
40058f: 90 nop
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```
000000000400590 <__do_global_ctors_aux>:
400590: 55 push %rbp
400591: 48 89 e5 mov %rsp,%rbp
400594: 53 push %rbx
400595: 48 83 ec 08 sub $0x8,%rsp
400599: 48 8b 05 00 01 20 00 mov 0x200100(%rip),%rax # 6006a0 <__C
TOR_LIST__>
4005a0: 48 83 f8 ff cmp $0xffffffffffffffff,%rax
4005a4: 74 19 je 4005bf <__do_global_ctors_aux+0x2f>
4005a6: bb a0 06 60 00 mov $0x6006a0,%ebx
4005ab: 0f 1f 44 00 00 nopl 0x0(%rax,%rax,1)
4005b0: 48 83 eb 08 sub $0x8,%rbx
4005b4: ff d0 callq *%rax
4005b6: 48 8b 03 mov (%rbx),%rax
4005b9: 48 83 f8 ff cmp $0xffffffffffffffff,%rax
4005bd: 75 f1 jne 4005b0 <__do_global_ctors_aux+0x20>
4005bf: 48 83 c4 08 add $0x8,%rsp
4005c3: 5b pop %rbx
4005c4: c9 leaveq
4005c5: c3 retq
4005c6: 90 nop
4005c7: 90 nop
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Disassembly of section .fini:

```
0000000004005c8 <_fini>:
4005c8: 48 83 ec 08 sub $0x8,%rsp
4005cc: e8 5f fe ff ff callq 400430 <__do_global_dtors_aux>
4005d1: 48 83 c4 08 add $0x8,%rsp
4005d5: c3 retq
```