

ELF Header:

```

Magic:    7f 45 4c 46 02 01 01 00 00 00 00 00 00 00 00
Class:    ELF64
Data:    2's complement, little endian
Version:  1 (current)
OS/ABI:   UNIX - System V
ABI Version: 0
Type:    EXEC (Executable file)
Machine:  Advanced Micro Devices X86-64
Version:  0x1
Entry point address: 0x4004d0
Start of program headers: 64 (bytes into file)
Start of section headers: 2216 (bytes into file)
Flags:    0x0
Size of this header: 64 (bytes)
Size of program headers: 56 (bytes)
Number of program headers: 9
Size of section headers: 64 (bytes)
Number of section headers: 30
Section header string table index: 27

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Section Headers:

| [Nr] | Name | Type | Address | Offset |
|------|------------------|------------------|-----------------------|----------|
| | Size | EntSize | Flags Link Info Align | |
| [0] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [1] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [2] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [3] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [4] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [5] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [6] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [7] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [8] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [9] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [10] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [11] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [12] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [13] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [14] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [15] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [16] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [17] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [18] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [19] | <no-strings> | NULL | 0000000000000000 | 00000000 |
| | 0000000000000000 | 0000000000000000 | 0 0 0 | 0 |
| [20] | <no-strings> | NULL | 0000000000000000 | 00000000 |

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0000000000000000 0000000000000000 0 0 0
[21] <no-strings> NULL 0000000000000000 00000000
0000000000000000 0000000000000000 4195728 0 4195696
[22] <no-strings> NULL 0000000000000000c 00400450
0000000000000000d 0000000000600e10 W 4196084 0 25
[23] <no-strings> NULL 0000000000000001a 00600e18
0000000000000001c 0000000000400298 x 8 0 1879047925
[24] <no-strings> NULL 00000000000000006 004002b8
0000000000000000a 00000000000000018 xIOGo 75 0 11
[25] <no-strings> NULL 00000000000000003 00601000
00000000000000002 00000000000000007 120 0 20
[26] <no-strings> NULL 00000000000000007 004003c0
00000000000000008 00000000000000018 xMILOGo 24 0 9
[27] <no-strings> NULL 000000006ffffff 00000001
000000006ffffff0 0000000000000000 SLOGo 4195220 0 0
[28] <no-strings> NULL 00000000000000000 00000000
00000000000000000 00000000000000000 0 0 0
[29] <no-strings> NULL 00000000000000000 00600e28
00000000000000000 0000000000400496 0 0 4195462

```

Key to Flags:

W (write), A (alloc), X (execute), M (merge), S (strings), I (info),
 L (link order), O (extra OS processing required), G (group), T (TLS),
 C (compressed), x (unknown), o (OS specific), E (exclude),
 l (large), p (processor specific)

There are no section groups in this file.

Program Headers:

| Type | Offset | VirtAddr | PhysAddr |
|---|--------------------|--------------------|--------------------|
| | FileSiz | MemSiz | Flags Align |
| PHDR | 0x0000000000000040 | 0x0000000000400040 | 0x0000000000400040 |
| | 0x00000000000001f8 | 0x00000000000001f8 | R E 0x8 |
| INTERP | 0x0000000000000238 | 0x0000000000400238 | 0x0000000000400238 |
| | 0x000000000000001c | 0x000000000000001c | R 0x1 |
| [Requesting program interpreter: /lib64/ld-linux-x86-64.so.2] | | | |
| LOAD | 0x0000000000000000 | 0x0000000000400000 | 0x0000000000400000 |
| | 0x0000000000000874 | 0x0000000000000874 | R E 0x200000 |
| LOAD | 0x0000000000000e10 | 0x0000000000600e10 | 0x0000000000600e10 |
| | 0x0000000000000240 | 0x0000000000000248 | RW 0x200000 |
| DYNAMIC | 0x0000000000000e28 | 0x0000000000600e28 | 0x0000000000600e28 |
| | 0x00000000000001d0 | 0x00000000000001d0 | RW 0x8 |
| NOTE | 0x0000000000000254 | 0x0000000000400254 | 0x0000000000400254 |
| | 0x0000000000000044 | 0x0000000000000044 | R 0x4 |
| GNU_EH_FRAME | 0x0000000000000740 | 0x0000000000400740 | 0x0000000000400740 |
| | 0x0000000000000034 | 0x0000000000000034 | R 0x4 |
| GNU_STACK | 0x0000000000000000 | 0x0000000000000000 | 0x0000000000000000 |
| | 0x0000000000000000 | 0x0000000000000000 | RW 0x10 |
| GNU_RELRO | 0x0000000000000e10 | 0x0000000000600e10 | 0x0000000000600e10 |
| | 0x00000000000001f0 | 0x00000000000001f0 | R 0x1 |

Dynamic section at offset 0xe28 contains 24 entries:

| Tag | Type | Name/Value |
|---------------------|----------------|-----------------------------|
| 0x0000000000000001 | (NEEDED) | Shared library: [libc.so.6] |
| 0x000000000000000c | (INIT) | 0x400450 |
| 0x000000000000000d | (FINI) | 0x4006f4 |
| 0x0000000000000019 | (INIT_ARRAY) | 0x600e10 |
| 0x000000000000001b | (INIT_ARRAYSZ) | 8 (bytes) |
| 0x000000000000001a | (FINI_ARRAY) | 0x600e18 |
| 0x000000000000001c | (FINI_ARRAYSZ) | 8 (bytes) |
| 0x0000000006ffffff5 | (GNU_HASH) | 0x400298 |
| 0x0000000000000005 | (STRTAB) | 0x400348 |
| 0x0000000000000006 | (SYMTAB) | 0x4002b8 |
| 0x000000000000000a | (STRSZ) | 75 (bytes) |
| 0x000000000000000b | (SYMENT) | 24 (bytes) |
| 0x0000000000000015 | (DEBUG) | 0x0 |

| | |
|---------------------------------|-------------|
| 0x0000000000000003 (PLTGOT) | 0x601000 |
| 0x0000000000000002 (PLTRELSZ) | 120 (bytes) |
| 0x0000000000000014 (PLTREL) | RELA |
| 0x0000000000000017 (JMPREL) | 0x4003d8 |
| 0x0000000000000007 (RELA) | 0x4003c0 |
| 0x0000000000000008 (RELASZ) | 24 (bytes) |
| 0x0000000000000009 (RELAENT) | 24 (bytes) |
| 0x000000006ffffffe (VERNEED) | 0x4003a0 |
| 0x000000006fffffff (VERNEEDNUM) | 1 |
| 0x000000006ffffff0 (VERSYM) | 0x400394 |
| 0x0000000000000000 (NULL) | 0x0 |

There are no static relocations in this file.

To see the dynamic relocations add --use-dynamic to the command line.

The decoding of unwind sections for machine type Advanced Micro Devices X86-64 is not currently supported.

No version information found in this file.

Displaying notes found at file offset 0x00000254 with length 0x00000044:

| Owner | Data size | Description |
|--|------------|---|
| GNU | 0x00000010 | NT_GNU_ABI_TAG (ABI version tag) |
| OS: Linux, ABI: 2.6.24 | | |
| GNU | 0x00000014 | NT_GNU_BUILD_ID (unique build ID bitstring) |
| Build ID: 07dd19a7dbd4ce712462d74253d664acb75f11d0 | | |