

NAME

patchelf - Modify ELF files

SYNOPSIS

patchelf *OPTION FILE*

DESCRIPTION

PatchELF is a simple utility for modifying existing ELF executables and libraries. It can change the dynamic loader ("ELF interpreter") of executables and change the RPATH of executables and libraries.

OPTIONS

The single option given operates on a given FILE, editing in place.

--page-size SIZE

Uses the given page size instead of the default.

--set-interpreter INTERPRETER

Change the dynamic loader ("ELF interpreter") of executable given to INTERPRETER.

--print-interpreter

Prints the ELF interpreter of the executable.

--print-soname

Prints DT_SONAME entry of .dynamic section. Raises an error if DT_SONAME doesn't exist.

--set-soname SONAME

Sets DT_SONAME entry of a library to SONAME.

--set-rpath RPATH

Change the RPATH of the executable or library to RPATH.

--remove-rpath

Removes the DT_RPATH or DT_RUNPATH entry of the executable or library.

--shrink-rpath

Remove from the RPATH all directories that do not contain a library referenced by DT_NEEDED fields of the executable or library.

For instance, if an executable references one library libfoo.so, has an RPATH "/lib:/usr/lib:/foo/lib", and libfoo.so can only be found in /foo/lib, then the new RPATH will be "/foo/lib".

--print-rpath

Prints the RPATH for an executable or library.

--force-rpath

Forces the use of the obsolete DT_RPATH in the file instead of DT_RUNPATH. By default DT_RPATH is converted to DT_RUNPATH.

--add-needed LIBRARY

Adds a declared dependency on a dynamic library (DT_NEEDED). This option can be give multiple times.

--replace-needed LIB_ORIG LIB_NEW

Replaces a declared dependency on a dynamic library with another one (DT_NEEDED). This option can be give multiple times.

--remove-needed LIBRARY

Removes a declared dependency on LIBRARY (DT_NEEDED entry). This option can be given multiple times.

--no-default-lib

Marks the object that the search for dependencies of this object will ignore any default library search paths.

--debug Prints details of the changes made to the input file.

--version

Shows the version of patchelf.

AUTHOR

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SEE ALSO

elf(5), **ld.so(8)**