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# Micro Focus UFT One and UFT Developer

## Open Source and Third-Party Software License Agreements



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### 7-Zip SFX Module 1.5

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## 7-Zip Tool 9.20

Version 3, 29 June 2007

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### **Appium Dotnet Binding 1.5.0.01**

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Version 2.0, January 2004

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Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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=====

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### ***newlib-extras***

README for newlib-2.0.0 release  
(mostly cribbed from the README in the gdb-4.13 release)

This is `newlib`, a simple ANSI C library, math library, and  
collection  
of board support packages.

The newlib and libgloss subdirectories are a collection of software  
from  
several sources, each with their own copyright and license. See the  
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Unpacking and Installation -- quick overview

=====

When you unpack the newlib-2.0.0.tar.gz file, you'll find a directory called `newlib-2.0.0', which contains:

COPYING	config/	install-sh*	mpw-configure
COPYING.LIB	config-ml.in	libgloss/	mpw-install
COPYING.NEWLIB	config.guess*	mkinstalldirs*	newlib/
CYGNUS	config.sub*	move-if-change*	symlink-tree*
ChangeLog	configure*	mpw-README	texinfo/
Makefile.in	configure.in	mpw-build.in	
README	etc/	mpw-config.in	

To build NEWLIB, you must follow the instructions in the section entitled "Compiling NEWLIB".

This will configure and build all the libraries and crt0 (if one exists).

If `configure' can't determine your host system type, specify one as its argument, e.g., sun4 or sun4sol2. NEWLIB is most often used in cross environments.

NOTE THAT YOU MUST HAVE ALREADY BUILT AND INSTALLED GCC and BINUTILS.

More Documentation

=====

Newlib documentation is available on the net via:  
<http://sourceware.org/newlib/docs.html>

All the documentation for NEWLIB comes as part of the machine-readable distribution. The documentation is written in Texinfo format, which is a documentation system that uses a single source file to produce both on-line information and a printed manual. You can use one of the Info formatting commands to create the on-line version of the documentation and TeX (or `texi2roff') to typeset the printed version.

If you want to format these Info files yourself, you need one of the

Info formatting programs, such as ``texinfo-format-buffer'` or ``makeinfo'`.

If you want to typeset and print copies of this manual, you need TeX, a program to print its DVI output files, and ``texinfo.tex'`, the Texinfo definitions file.

TeX is a typesetting program; it does not print files directly, but produces output files called DVI files. To print a typeset document, you need a program to print DVI files. If your system has TeX installed, chances are it has such a program. The precise command to use depends on your system; ``lpr -d'` is common; another (for PostScript devices) is ``dvips'`. The DVI print command may require a file name without any extension or a ``.dvi'` extension.

TeX also requires a macro definitions file called ``texinfo.tex'`. This file tells TeX how to typeset a document written in Texinfo format. On its own, TeX cannot read, much less typeset a Texinfo file. ``texinfo.tex'` is distributed with NEWLIB and is located in the ``newlib-VERSION-NUMBER/texinfo'` directory.

#### Compiling NEWLIB =====

To compile NEWLIB, you must build it in a directory separate from the source directory. If you want to run NEWLIB versions for several host or target machines, you need a different ``newlib'` compiled for each combination of host and target. ``configure'` is designed to make this easy by allowing you to generate each configuration in a separate subdirectory. If your ``make'` program handles the ``VPATH'` feature correctly (like GNU ``make'`) running ``make'` in each of these directories builds the ``newlib'` libraries specified there.

To build ``newlib'` in a specific directory, run ``configure'` with the

`--srcdir' option to specify where to find the source. (You also need to specify a path to find `configure' itself from your working directory. If the path to `configure' would be the same as the argument to `--srcdir', you can leave out the `--srcdir' option; it will be assumed.)

For example, with version 2.0.0, you can build NEWLIB in a separate directory for a Sun 4 cross m68k-aout environment like this:

```
cd newlib-2.0.0
mkdir ../newlib-m68k-aout
cd ../newlib-m68k-aout
../newlib-2.0.0/configure --host=sun4 --target=m68k-aout
make
```

When `configure' builds a configuration using a remote source directory, it creates a tree for the binaries with the same structure (and using the same names) as the tree under the source directory.

In

the example, you'd find the Sun 4 library `libiberty.a' in the directory `newlib-m68k-aout/libiberty', and NEWLIB itself in `newlib-m68k-aout/newlib'.

When you run `make' to build a program or library, you must run it in a configured directory--whatever directory you were in when you called `configure' (or one of its subdirectories).

The `Makefile' that `configure' generates in each source directory also runs recursively. If you type `make' in a source directory such as `newlib-2.0.0' (or in a separate configured directory configured with `--srcdir=PATH/newlib-2.0.0'), you will build all the required libraries.

When you have multiple hosts or targets configured in separate directories, you can run `make' on them in parallel (for example, if they are NFS-mounted on each of the hosts); they will not interfere with each other.

#### Specifying names for hosts and targets

=====

The specifications used for hosts and targets in the `configure' script are based on a three-part naming scheme, but some short

predefined aliases are also supported. The full naming scheme encodes three pieces of information in the following pattern:

```
ARCHITECTURE-VENDOR-OS
```

For example, you can use the alias `sun4' as a HOST argument or in a `--target=TARGET' option. The equivalent full name is `sparc-sun-sunos4'.

The `configure' script accompanying NEWLIB does not provide any query facility to list all supported host and target names or aliases. `configure' calls the Bourne shell script `config.sub' to map abbreviations to full names; you can read the script, if you wish, or you can use it to test your guesses on abbreviations--for example:

```
% sh config.sub sun4
sparc-sun-sunos4.1.1
% sh config.sub sun3
m68k-sun-sunos4.1.1
% sh config.sub decstation
mips-dec-ultrix4.2
% sh config.sub hp300bsd
m68k-hp-bsd
% sh config.sub i386v
i386-pc-sysv
% sh config.sub i786v
Invalid configuration `i786v': machine `i786v' not recognized
```

The Build, Host and Target Concepts in newlib

```
=====
```

The build, host and target concepts are defined for gcc as follows:

```
build: the platform on which gcc is built.
host: the platform on which gcc is run.
target: the platform for which gcc generates code.
```

Since newlib is a library, the target concept does not apply to it, and the build, host, and target options given to the top-level configure script must be changed for newlib's use.

The options are shifted according to these correspondences:

gcc's build platform has no equivalent in newlib.  
 gcc's host platform is newlib's build platform.  
 gcc's target platform is newlib's host platform.  
 and as mentioned before, newlib has no concept of target.

`configure' options  
 =====

Here is a summary of the `configure' options and arguments that are most often useful for building NEWLIB. `configure' also has several other options not listed here.

```
configure [--help]
           [--prefix=DIR]
           [--srcdir=PATH]
           [--target=TARGET] HOST
```

You may introduce options with a single '-' rather than '--' if you prefer; but you may abbreviate option names if you use '--'.

`--help'

Display a quick summary of how to invoke `configure'.

`--prefix=DIR'

Configure the source to install programs and files in directory `DIR'.

`--exec-prefix=DIR'

Configure the source to install host-dependent files in directory `DIR'.

`--srcdir=PATH'

\*Warning: using this option requires GNU `make', or another `make' that compatibly implements the `VPATH' feature. Use this option to make configurations in directories separate from the NEWLIB source directories. Among other things, you can use this to build (or maintain) several configurations simultaneously, in separate directories. `configure' writes configuration specific files in the current directory, but arranges for them to



use the source in the directory PATH. `configure' will create directories under the working directory in parallel to the source directories below PATH.

`--norecursion'  
Configure only the directory level where `configure' is executed;  
do not propagate configuration to subdirectories.

`--target=TARGET'  
Configure NEWLIB for running on the specified TARGET.  
  
There is no convenient way to generate a list of all available targets.

`HOST ...'  
Configure NEWLIB to be built using a cross compiler running on the specified HOST.  
  
There is no convenient way to generate a list of all available hosts.

To fit diverse usage models, NEWLIB supports a group of configuration options so that library features can be turned on/off according to target system's requirements.

One feature can be enabled by specifying `--enable-FEATURE=yes' or `--enable-FEATURE'. Or it can be disabled by `--enable-FEATURE=no' or `--disable-FEATURE'.

`--enable-newlib-io-pos-args'  
Enable printf-family positional arg support.  
Disabled by default, but some hosts enable it in configure.host.

`--enable-newlib-io-c99-formats'  
Enable C99 support in IO functions like printf/scanf.  
Disabled by default, but some hosts enable it in configure.host.

`--enable-newlib-register-fini'  
Enable finalization function registration using atexit.  
Disabled by default.

`--enable-newlib-io-long-long'  
Enable long long type support in IO functions like printf/scanf.  
Disabled by default, but many hosts enable it in configure.host.

```
`--enable-newlib-io-long-double'  
    Enable long double type support in IO functions printf/scanf.  
    Disabled by default, but some hosts enable it in configure.host.  
  
`--enable-newlib-mb'  
    Enable multibyte support.  
    Disabled by default.  
  
`--enable-newlib-iconv-encodings'  
    Enable specific comma-separated list of bidirectional iconv  
    encodings to be built-in.  
    Disabled by default.  
  
`--enable-newlib-iconv-from-encodings'  
    Enable specific comma-separated list of "from" iconv encodings  
    to be built-in.  
    Disabled by default.  
  
`--enable-newlib-iconv-to-encodings'  
    Enable specific comma-separated list of "to" iconv encodings  
    to be built-in.  
    Disabled by default.  
  
`--enable-newlib-iconv-external-ccs'  
    Enable capabilities to load external CCS files for iconv.  
    Disabled by default.  
  
`--disable-newlib-atexit-dynamic-alloc'  
    Disable dynamic allocation of atexit entries.  
    Most hosts and targets have it enabled in configure.host.  
  
`--enable-newlib-reent-small'  
    Enable small reentrant struct support.  
    Disabled by default.  
  
`--disable-newlib-fvwrite-in-streamio'  
    NEWLIB implements the vector buffer mechanism to support stream  
IO  
    buffering required by C standard. This feature is possibly  
unnecessary for embedded systems which won't change file  
buffering  
    with functions like `setbuf' or `setvbuf'. The buffering  
mechanism  
    still acts as default for STDIN/STDOUT/STDERR even if this  
option  
    is specified.  
    Enabled by default.
```

``--disable-newlib-fseek-optimization'`  
Disable fseek optimization. It can decrease code size of application calling ``fseek``. Enabled by default.

``--disable-newlib-wide-orient'`  
C99 states that each stream has an orientation, wide or byte. This feature is possibly unnecessary for embedded systems which only do byte input/output operations on stream. It can decrease code size by disable the feature. Enabled by default.

``--enable-newlib-nano-malloc'`  
NEWLIB has two implementations of malloc family's functions, one in ``mallocr.c'` and the other one in ``nano-mallocr.c'`. This options enables the nano-malloc implementation, which is for small systems with very limited memory. Note that this implementation does not support ``--enable-malloc-debugging'` any more. Disabled by default.

``--disable-newlib-unbuf-stream-opt'`  
NEWLIB does optimization when ``fprintf` to write only unbuffered unix file'. It creates a temporary buffer to do the optimization that increases stack consumption by about ``BUFSIZ'` bytes. This option disables the optimization and saves size of text and stack. Enabled by default.

``--enable-multilib'`  
Build many library versions. Enabled by default.

``--enable-target-optspace'`  
Optimize for space. Disabled by default.

``--enable-malloc-debugging'`  
Indicate malloc debugging requested.

Disabled by default.

```
`--enable-newlib-multithread'
  Enable support for multiple threads.
  Enabled by default.

`--enable-newlib-iconv'
  Enable iconv library support.
  Disabled by default.

`--enable-newlib-elix-level'
  Supply desired elix library level (1-4).  Please refer to HOWTO
for
  more information about this option.
  Set to level 0 by default.

`--disable-newlib-io-float'
  Disable printf/scanf family float support.
  Enabled by default.

`--disable-newlib-supplied-syscalls'
  Disable newlib from supplying syscalls.
  Enabled by default.

`--enable-lite-exit'
  Enable lite exit, a size-reduced implementation of exit that
doesn't
  invoke clean-up functions such as _fini or global destructors.
  Disabled by default.
```

#### Running the Testsuite

```
=====
```

To run newlib's testsuite, you'll need a `site.exp` in your home directory which points `dejagnu` to the proper baseboards directory and the proper `exp` file for your target.

Before running `make check-target-newlib`, set the `DEJAGNU` environment variable to point to `~/site.exp`.

Here is a sample `site.exp`:

```
# Make sure we look in the right place for the board description
files.
if ![info exists boards_dir] {
  set boards_dir {}
}
```

```
lappend boards_dir "your dejagnu/baseboards here"

verbose "Global Config File: target_triplet is $target_triplet" 2

global target_list
case "$target_triplet" in {
    { "mips-*elf*" } {
        set target_list "mips-sim"
    }

    default {
        set target_list { "unix" }
    }
}
```

mips-sim refers to an exp file in the baseboards directory. You'll need to add the other targets you're testing to the case statement.

Now type `make check-target-newlib` in the top-level build directory to run the testsuite.

```
Shared newlib
=====
```

newlib uses libtool when it is being compiled natively (with `--target=i[34567]86-pc-linux-gnu`) on an `i[34567]86-pc-linux-gnu` host. This allows newlib to be compiled as a shared library.

To configure newlib, do the following from your build directory:

```
$(source_dir)/src/configure --with-newlib --prefix=$(install_dir)
```

configure will recognize that `host == target == i[34567]86-pc-linux-gnu`, so it will tell newlib to compile itself using libtool. By default, libtool will build shared and static versions of newlib.

To compile a program against shared newlib, do the following (where `target_install_dir = $(install_dir)/i[34567]86-pc-linux-gnu`):

```
gcc -nostdlib $(target_install_dir)/lib/crt0.o progname.c -I
$(target_install_dir)/include -L $(target_install_dir)/lib -lc -lm -
lgcc
```

To run the program, make sure that `$(target_install_dir)/lib` is listed in the `LD_LIBRARY_PATH` environment variable.

To create a static binary linked against `newlib`, do the following:

```
gcc -nostdlib -static $(target_install_dir)/lib/crt0.o progname.c -I
$(target_install_dir)/include -L $(target_install_dir)/lib -lc -lm
```

`libtool` can be instructed to produce only static libraries. To build `newlib` as a static library only, do the following from your build directory:

```
$(source_dir)/src/configure --with-newlib --prefix=$(install_dir) --
disable-shared
```

#### Regenerating Configuration Files

```
=====
```

At times you will need to make changes to `configure.in` and `Makefile.am` files.

This will mean that `configure` and `Makefile.in` files will need to be regenerated.

At the top level of `newlib` is the file: `acinclude.m4`. This file contains

the definition of the `NEWLIB_CONFIGURE` macro which is used by all `configure.in`

files in `newlib`. You will notice that each directory in `newlib` containing

a `configure.in` file also contains an `aclocal.m4` file. This file is generated by issuing: `aclocal -`

```
I${relative_path_to_toplevel_newlib_dir}
```

```
-I${relative_path_to_toplevel_src_dir}
```

The first relative directory is to access `acinclude.m4`. The second relative

directory is to access `libtool` information in the top-level `src` directory.

For example, to regenerate `aclocal.m4` in `newlib/libc/machine/arm`:

```
aclocal -I ../../.. -I ../../../../..
```

Note that if the top level `acinclude.m4` is altered, every `aclocal.m4` file

in `newlib` should be regenerated.

If the `aclocal.m4` file is regenerated due to a change in `acinclude.m4` or if a `configure.in` file is modified, the corresponding `configure` file in the directory must be regenerated using `autoconf`. No parameters are necessary.

In the previous example, we would issue:

```
autoconf
```

from the `newlib/libc/machine/arm` directory.

If you have regenerated a `configure` file or if you have modified a `Makefile.am` file, you will need to regenerate the appropriate `Makefile.in` file(s).

For `newlib`, `automake` is a bit trickier. First of all, all `Makefile.in` files in `newlib` (and `libgloss`) are generated using the `--cygnus` option of `automake`.

`Makefile.in` files are generated from the nearest directory up the chain which contains a `configure.in` file. In most cases, this is the same directory containing `configure.in`, but there are exceptions. For example, the `newlib/libc` directory has a number of subdirectories that do not contain their own `configure.in` files (e.g. `stdio`).

For these directories, you must issue the `automake` command from `newlib/libc` which is the nearest parent directory that contains a `configure.in`. When you issue the `automake` command, you specify the subdirectory for the `Makefile.in` you are regenerating. For example:

```
automake --cygnus stdio/Makefile stdlib/Makefile
```

Note how multiple `Makefile.in` files can be created in the same step. You would not specify `machine/Makefile` or `sys/Makefile` in the previous example because both of these subdirectories contain their own `configure.in` files.

One would change to each of these subdirectories and in turn issue:

```
automake --cygnus Makefile
```

Let's say you create a new machine directory XXXX off of newlib/libc/machine. After creating a new configure.in and Makefile.am file, you would issue:

```
aclocal -I ../../..  
autoconf  
automake --cygnus Makefile
```

from newlib/libc/machine/XXXX

It is strongly advised that you use an adequate version of autotools. For this latest release, the following were used: autoconf 2.68, aclocal 1.11.6, and automake 1.11.6.

#### Reporting Bugs

=====

The correct address for reporting bugs found in NEWLIB is "newlib@sourceware.org". Please email all bug reports to that address. Please include the NEWLIB version number (e.g., newlib-2.0.0), and how you configured it (e.g., "sun4 host and m68k-aout target"). Since NEWLIB supports many different configurations, it is important that you be precise about this.

Archives of the newlib mailing list are on-line, see <http://sourceware.org/ml/newlib/>

### ***pthread-win32***

pthread-win32 - a POSIX threads library for Microsoft Windows

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The contact addresses for pthreads-win32 is as follows:

Web: <http://sources.redhat.com/pthreads-win32>  
Email: Ross Johnson  
Please use: Firstname.Lastname@homemail.com.au

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### Why pthreads-win32 did not use the GNU General Public License

---

The goal of the pthreads-win32 project has been to provide a quality and complete implementation of the POSIX threads API for Microsoft Windows within the limits imposed by virtue of it being a stand-alone library and not linked directly to other POSIX compliant libraries. For example, some functions and features, such as those based on POSIX signals, are missing.

Pthreads-win32 is a library, available in several different versions depending on supported compilers, and may be used as a dynamically linked module or a statically linked set of binary modules. It is not an application on it's own.

It was fully intended that pthreads-win32 be usable with commercial software not covered by either the GPL or the LGPL licenses. Pthreads-win32 has many contributors to it's code base, many of whom have done so because they have used the library in commercial or propriety software projects.

Releasing pthreads-win32 under the LGPL ensures that the library can be used widely, while at the same time ensures that bug fixes and improvements to the pthreads-win32 code itself is returned to benefit all current and future users of the library.

Although pthreads-win32 makes it possible for applications that use POSIX threads to be ported to Win32 platforms, the broader goal of the project is to encourage the use of open standards, and in particular, to make it just a little easier for developers writing Win32 applications to consider widening the potential market

***open-vcdiff***

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### ***Binary-, RedBlack- and AVL-Trees in Python and Cython***

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***Checkstyle is a development tool to help programmers write Java code that***

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## **Ffmpeg**

#FFmpeg:

Most files in FFmpeg are under the GNU Lesser General Public License version 2.1 or later (LGPL v2.1+). Read the file COPYING.LGPLv2.1 for details. Some other files have MIT/X11/BSD-style licenses. In combination the LGPL v2.1+ applies to FFmpeg.

Some optional parts of FFmpeg are licensed under the GNU General Public License version 2 or later (GPL v2+). See the file COPYING.GPLv2 for details. None of these parts are used by default, you have to explicitly pass `--enable-gpl` to `configure` to activate them. In this case, FFmpeg's license changes to GPL v2+.

Specifically, the GPL parts of FFmpeg are:

- libpostproc
- libmpcodecs
- optional x86 optimizations in the files  
libavcodec/x86/flac\_dsp\_gpl.asm  
libavcodec/x86/idct\_mmx.c
- libutvideo encoding/decoding wrappers in  
libavcodec/libutvideo\*.cpp
- the X11 grabber in libavdevice/x11grab.c
- the swresample test app in  
libswresample/swresample-test.c
- the texi2pod.pl tool
- the following filters in libavfilter:
  - f\_eburl28.c
  - vf\_blackframe.c
  - vf\_boxblur.c
  - vf\_colormatrix.c
  - vf\_cropdetect.c
  - vf\_decimate.c
  - vf\_delogo.c
  - vf\_geq.c
  - vf\_histeq.c
  - vf\_hqdn3d.c
  - vf\_interlace.c
  - vf\_kerndeint.c
  - vf\_mcdeint.c
  - vf\_mp.c
  - vf\_owdenoise.c
  - vf\_perspective.c
  - vf\_phase.c
  - vf\_pp.c
  - vf\_pullup.c
  - vf\_sab.c
  - vf\_smartblur.c
  - vf\_spp.c
  - vf\_stereo3d.c
  - vf\_super2xsai.c
  - vf\_tinterlace.c
  - vsrc\_mptestsrc.c

Should you, for whatever reason, prefer to use version 3 of the (L)GPL, then the configure parameter `--enable-version3` will activate this licensing option for you. Read the file `COPYING.LGPLv3` or, if you have enabled GPL parts, `COPYING.GPLv3` to learn the exact legal terms that apply in this case.

There are a handful of files under other licensing terms, namely:

\* The files `libavcodec/jfdctfst.c`, `libavcodec/jfdctint_template.c` and `libavcodec/jrevdct.c` are taken from `libjpeg`, see the top of the files for licensing details. Specifically note that you must credit the IJG in the documentation accompanying your program if you only distribute executables.

You must also indicate any changes including additions and deletions to those three files in the documentation.  
`tests/reference.pnm` is under the `expat` license

#### external libraries =====

FFmpeg can be combined with a number of external libraries, which sometimes affect the licensing of binaries resulting from the combination.

#### compatible libraries -----

The following libraries are under GPL:

- `frei0r`
- `libcdio`
- `libutvideo`
- `libvidstab`
- `libx264`
- `libx265`
- `libxavs`
- `libxvid`

When combining them with `FFmpeg`, `FFmpeg` needs to be licensed as GPL as well by passing `--enable-gpl` to `configure`.

The `OpenCORE` and `VisualOn` libraries are under the `Apache License 2.0`. That license is incompatible with the  `LGPL v2.1` and the  `GPL v2`, but not with version 3 of those licenses. So to combine these libraries with `FFmpeg`, the license version needs to be upgraded by passing `--enable-version3` to `configure`.

#### incompatible libraries -----

The Fraunhofer AAC library, FAAC and aacplus are under licenses which are incompatible with the GPLv2 and v3. We do not know for certain if their licenses are compatible with the LGPL. If you wish to enable these libraries, pass `--enable-nonfree` to `configure`. But note that if you enable any of these libraries the resulting binary will be under a complex license mix that is more restrictive than the LGPL and that may result in additional obligations. It is possible that these restrictions cause the resulting binary to be unredistributable.

### ***fips181***

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## **Flot Javascript/JQuery library for creating graphs**

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## **Google Input Tools**

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## **Google Toolbox for Mac**

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```

```
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Ty Coon, President of Vice
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## **LevelDB: A Fast Persistent Key-Value Store**

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```

**The library to input, validate, and display addresses.**

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**libexif.**

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The Unix configuration script "configure" was produced with GNU Autoconf.

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The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot

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(Since arithmetic coding provides only a marginal gain over the unpatented

Huffman mode, it is unlikely that very many implementations will support it.)

So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has

been removed altogether, and the GIF writer has been simplified to produce

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**Braille Translation Library**

(Copied from src/liblouis/liblouis.h.in)

```
/* liblouis Braille Translation and Back-Translation Library
```

```
Based on the Linux screenreader BRLTTY, copyright (C) 1999-2006 by  
The BRLTTY Team
```

```
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```
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*/
```

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```
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```

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July 7, 2011

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That's all there is to it!

## **Libusbx**

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## **NSBezierPath additions from Sean Patrick O'Brien**

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**mt19937ar**

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

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```
PLY (Python Lex-Yacc)                               Version 3.4
```

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```

## Coverage

```
"""Code coverage measurement for Python.
```

```
Ned Batchelder
```

```
http://nedbatchelder.com/code/coverage
```

```
"""
```

```
from coverage.version import __version__, __url__
```

```
from coverage.control import coverage, process_startup
```

```
from coverage.data import CoverageData
```

```
from coverage.cmdline import main, CoverageScript
```

```
from coverage.misc import CoverageException
```

```
# Module-level functions. The original API to this module was based on
# functions defined directly in the module, with a singleton of the
coverage()
```

```
# class. That design hampered programmability, so the current api uses
# explicitly-created coverage objects. But for backward compatibility,
here we
# define the top-level functions to create the singleton when they are
first
# called.
```

```
# Singleton object for use with module-level functions. The singleton
is
# created as needed when one of the module-level functions is called.
_the_coverage = None
```

```
def __singleton_method(name):
    """Return a function to the `name` method on a singleton `coverage`
object.
```

```
    The singleton object is created the first time one of these
functions is
called.
```

```
    """
    # Disable pylint msg W0612, because a bunch of variables look
unused, but
    # they're accessed via locals().
    # pylint: disable=W0612
```

```
def wrapper(*args, **kwargs):
    """Singleton wrapper around a coverage method."""
    global _the_coverage
    if not _the_coverage:
        _the_coverage = coverage(auto_data=True)
    return getattr(_the_coverage, name)(*args, **kwargs)
```

```
import inspect
meth = getattr(coverage, name)
args, varargs, kw, defaults = inspect.getargspec(meth)
argspec = inspect.formatargspec(args[1:], varargs, kw, defaults)
docstring = meth.__doc__
wrapper.__doc__ = ("""
    A first-use-singleton wrapper around coverage.%(name)s.
```

```
    This wrapper is provided for backward compatibility with legacy
code.
```

```
    New code should use coverage.%(name)s directly.
```

```
%(name)s%(argspec)s:
```

```
        %(docstring)s
        """ % locals()
    )

    return wrapper

# Define the module-level functions.
use_cache = _singleton_method('use_cache')
start = _singleton_method('start')
stop = _singleton_method('stop')
erase = _singleton_method('erase')
exclude = _singleton_method('exclude')
analysis = _singleton_method('analysis')
analysis2 = _singleton_method('analysis2')
report = _singleton_method('report')
annotate = _singleton_method('annotate')

# On Windows, we encode and decode deep enough that something goes wrong
and
# the encodings.utf_8 module is loaded and then unloaded, I don't know
why.
# Adding a reference here prevents it from being unloaded. Yuk.
import encodings.utf_8

# Because of the "from coverage.control import foey" lines at the top
of the
# file, there's an entry for coverage.coverage in sys.modules, mapped to
None.
# This makes some inspection tools (like pydoc) unable to find the class
# coverage.coverage. So remove that entry.
import sys
try:
    del sys.modules['coverage.coverage']
except KeyError:
    pass

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```

### Python FTP server library

```
=====  
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```

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```
=====
```

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**Quick Color Management System**

qcms  
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```

/*****
 * PROGRAM NAME: STP (Simple Theorem Prover)
 *
 * AUTHORS: Vijay Ganesh
 *
 * BEGIN DATE: November, 2005
 *****/

```

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CVC's SMT-LIB Parser  
\file smtlib.y

Author: Sergey Berezin, Clark Barrett

Created: Apr 30 2005

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Samba temporary memory allocation functions

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URL: <http://selenium.googlecode.com/svn/trunk/py>  
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```

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;*****
;*****
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;*
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;*****
;*****

; This is a header file for the x264ASM assembly language, which uses
; NASM/YASM syntax combined with a large number of macros to provide
easy
; abstraction between different calling conventions (x86_32, win64,
linux64).

```

```

; It also has various other useful features to simplify writing the kind
of
; DSP functions that are most often used in x264.

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```

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```
/* zlib.h -- interface of the 'zlib' general purpose compression library  
version 1.2.4, March 14th, 2010
```

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Android adaptation and tweak by Jim Huang <jserv@0xlab.org>.

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Theo de Raadt <deraadt@openbsd.org> came up with the idea of using such a mathematical system to generate more random (yet non-repeating) ids to solve the resolver/named problem. But Niels designed the actual system based on the constraints.

Later modified by Damien Miller to wrap the LCG output in a 15-bit permutation generator based on a Luby-Rackoff block cipher. This ensures the output is non-repeating and preserves the MSB twiddle trick, but makes it more resistant to LCG prediction.

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memchr - find a character in a memory zone

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perflib, guava:

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### CodeProject – CSplitterControl – Code Sample

Micro Focus QuickTest Professional uses the CSplitterControl code in some of its dialogs and panes. The license present in the code (downloaded from <http://www.codeproject.com/KB/splitter/simpledlgsplitter.aspx>):

CSplitterControl interface:

Class name: CSplitterControl

Purpose: Implement splitter control for dialog or any other windows.

Author: Nguyen Huy Hung, Vietnamese student.

Date: May 29th 2002.

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### ChromeDriver 2.16

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### **Difference Algorithm for C# - Code Sample**

The QuickTest Asset Comparison Tool comparison capabilities are based on the Difference Algorithm for C# implementation (available at <http://www.codeproject.com/KB/recipes/DiffAlgorithmCS.aspx>).

Created by Matthias Hertel, see <http://www.mathertel.de>

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### **DotNetZip 1.9.1.8**

The DotNetZip library (available at <http://www.codeplex.com/DotNetZip>) is used in the QuickTest Extensibility Accelerator to handle archives, and in the Web Extensibility toolkit installations.

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### **IKVM.NET 0.44.0.5**

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### **PcapDotNet 0.10.0.0**

Pcap.Net is a .NET wrapper for WinPcap written in C++/CLI and C#. It Features almost all WinPcap features and includes a packet interpretation framework.

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## sqliteSuperWebSocket 1.6.3.0

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Upstream-Name: Google Gson

Upstream-Authors:

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Joel Leitch, Google Inc.

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### **Patch 0.12.7**

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Source: <http://jqueryui.com/>

Files: \*

Homepage: <http://jqueryui.com/>

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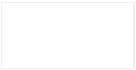
-----

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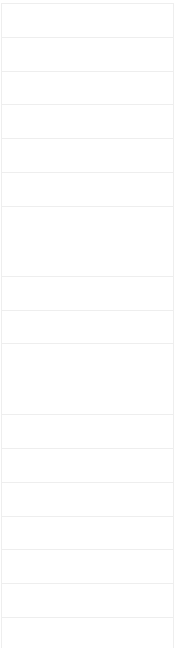
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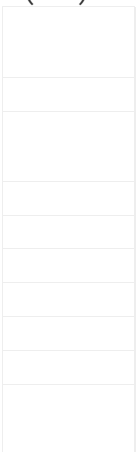
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### Minami 1.1.11

The minami code was modified by the following changes:

In <trunk>/app/client/JSCliient/documentation/templates/default/tmpl/container.tmpl:

I temporarily changed line 69 from:

```
<?js if (doc.augments && doc.augments.length) { ?>
```

to:

```
<?js if (doc.augments && doc.augments.length && 1==2) { ?>
```

So the template won't show the "Extends" text. We should consider removing this code block, but only after we'll see for sure we don't need this text elsewhere.

2. In `<trunk>/app/client/JSClient/documentation/templates/default/tmpl/details.tmpl:`

I temporarily changed line 35 from:

```
<?js if (data.inherited && data.inherits && !data.overrides) { ?>
```

to:

```
<?js if (data.inherited && data.inherits && !data.overrides && 1==2) { ?>
```

So the template won't show the "Inherited From:" text. We should consider removing this code block, but only after we'll see for sure we don't need this text elsewhere.

3. In `<trunk>/app/client/JSClient/documentation/templates/default/tmpl/details.tmpl:`

I temporarily changed line 67 from:

```
<?js if (data.mixes && data.mixes.length) { ?>
```

to:

```
<?js if (data.mixes && data.mixes.length && 1==2) { ?>
```

So the template won't show the "Mixes In:" text. We should consider removing this code block, but only after we'll see for sure we don't need this text elsewhere.

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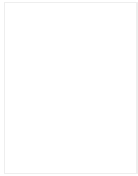
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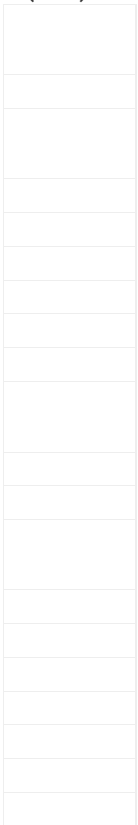
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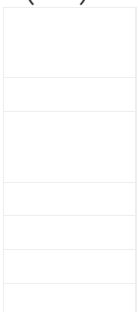
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## Selenium-webdriver 4.0.0-alpha.7

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