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The product also uses the Linux operating system, Ubuntu 14.04.4 Server ISO 14.04.4. Information on this distribution is available at http://releases.ubuntu.com/14.04/ubuntu-14.04.4-server-amd64.iso. The full source code for this distribution, including copyright and license information, is available on request from opensource-requests@external.cisco.com. Mention that you would like the Linux distribution source archive, and quote the following reference number for this distribution: 124447716-139007533.

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1.12 Apache CXF Runtime JAX-RS Frontend

2.7.3

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1.16 arpack-ng 3.1.5 :2

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1.17 bcprov-jdk15on 1.52

1.18 boost-numeric-bindings 20081116

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1.19 boost1.54 1.54.0-4ubuntu3.1 :4ubuntu3.1

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HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

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More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code. Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detelfs(detelfs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(agic@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.) This software is a collection of libraries from the Boost.org site. Most of the libraries use the Boost Software License 1.0, which reads as follows.

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Version 2.1, February 1999

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Ty Coon, President of Vice
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/* Jackson JSON-processor.
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*/

1.39 distlib 0.1.8 :1ubuntu1

1.39.1 Available under license:

A. HISTORY OF THE SOFTWARE

=======================================

Python was created in the early 1990s by Guido van Rossum at Stichting
Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
as a successor of a language called ABC. Guido remains Python's
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for
National Research Initiatives (CNRI, see http://www.cni.reston.va.us)
in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to
BeOpen.com to form the BeOpen PythonLabs team. In October of the same
year, the PythonLabs team moved to Digital Creations (now Zope
Corporation, see http://www.zope.com). In 2001, the Python Software
Foundation (PSF, see http://www.python.org/psf/) was formed, a
non-profit organization created specifically to own Python-related
Intellectual Property. Zope Corporation is a sponsoring member of
the PSF.

All Python releases are Open Source (see http://www.opensource.org for
the Open Source Definition). Historically, most, but not all, Python
releases have also been GPL-compatible; the table below summarizes
the various releases.

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distlib has started off using some of the code from distutil2.

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and welcome into the Fellowship of the Packaging!

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- Anthony Baxter
- Erik Bray
- C. Titus Brown
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[1]: http://eligrey.com
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## Commands to generate dependency files

```bash
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

## Flags for position independent code

```bash
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC
```

## Additional flags when building libraries and with threads

```bash
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =
```

## Compiler switch to embed a runtime search path

```bash
LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,
```

## Compiler switch to embed a library name

```bash
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))
```

## Shared library options

```bash
LD_SOOPTIONS= -Wl,-Bsymbolic
```

## Shared object suffix

```bash
SO = so
```

## Non-shared intermediate object suffix

```bash
STATIC_O = ao
```

## Compilation rules

```bash
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<
%.$(STATIC_O): $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<
```

## Dependency rules

```bash
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec "$(GEN_DEPS.c) $< "
    | sed 's/(\S*)\.o [:]*\$1.0 $@ : /g'" > $@; \
    [ -s $@ ] || rm -f $@'
```
## Versioned libraries rules

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$\$(SHELL) -ec '\$\$(GEN\_DEPS\_cc) $< \$
| sed \"s/\($*\)\.o\[ :\]*/\1.o $@ : /g\" \>
\$@; \$
[ -s $@ ] \|| rm -f $@

## Bind internal references

# LDflags that pkgdata will use
BIR\_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library
BIR\_DEPS=

## Remove shared library 's'
STATIC\_PREFIX\_WHEN\_USED =
STATIC\_PREFIX =

## End BSD-specific setup

This package was debianized by Jay Berkenbilt <qjb@debian.org> on August 5, 2005.

The original source was downloaded from http://icu-project.org/download/latest_milestone.html

The main web site for ICU is http://www.icu-project.org/

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1.63 interact.js 1.2.4

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1.64 jackson-annotations 2.7.1

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1.65 Jackson-core 2.5.3

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.66 jackson-core 2.7.1

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1.67 Jackson-core-asl 1.9.13

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 */

package org.apache.commons.logging;

/**
 * A simple logging interface abstracting logging APIs. In order to be
 * instantiated successfully by {@link LogFactory}, classes that implement
 * this interface must have a constructor that takes a single String
 * parameter representing the "name" of this Log.</p>
 * *
 * <p> The six logging levels used by <code>Log</code> are (in order):
 * <ol>
 * <li><code>trace</code> (the least serious)</li>
 * <li><code>debug</code></li>
 * <li><code>info</code></li>
 * <li><code>warn</code></li>
 * <li><code>error</code></li>
 * <li><code>fatal</code> (the most serious)</li>
 * </ol>
 */
* The mapping of these log levels to the concepts used by the underlying
* logging system is implementation dependent.
* The implementation should ensure, though, that this ordering behaves
* as expected.</p>
*
* <p>Performance is often a logging concern.
* By examining the appropriate property,
* a component can avoid expensive operations (producing information
* to be logged).</p>
*
* <p>For example,
* <code><pre>
*     if (log.isDebugEnabled()) {
*         ... do something expensive ...
*         log.debug(theResult);
*     }
* </pre></code>
* </p>
*
* <p>Configuration of the underlying logging system will generally be done
* external to the Logging APIs, through whatever mechanism is supported by
* that system.</p>
*
* <p style="color: #E40; font-weight: bold;">Please note that this interface is identical to that found in JCL
1.1.1.</p>
*
* @author <a href="mailto:sanders@apache.org">Scott Sanders</a>
* @author Rod Waldhoff
* @version $Id: Log.java,v 1.19 2004/06/06 21:16:04 rdonkin Exp $
*/
public interface Log {

   // ----------------------------------------------- Logging Properties

   /**
    * <p> Is debug logging currently enabled? </p>
    *
    * <p> Call this method to prevent having to perform expensive operations
    * (for example, <code>String</code> concatenation)
    * when the log level is more than debug. </p>
    */
   public boolean isDebugEnabled();

   /**
    * <p> Is error logging currently enabled? </p>
    */

   public boolean isErrorEnabled();
public boolean isErrorEnabled();

/**
 * Is fatal logging currently enabled? </p>
 * Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than fatal. </p>
 */
public boolean isFatalEnabled();

/**
 * Is info logging currently enabled? </p>
 * Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than info. </p>
 *
 * @return true if info enabled, false otherwise
 */
public boolean isInfoEnabled();

/**
 * Is trace logging currently enabled? </p>
 * Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than trace. </p>
 *
 * @return true if trace enabled, false otherwise
 */
public boolean isTraceEnabled();

/**
 * Is warn logging currently enabled? </p>
 * Call this method to prevent having to perform expensive operations
 * (for example, <code>String</code> concatenation)
 * when the log level is more than warn. </p>
public boolean isWarnEnabled();

// ----------------------------------------------- Logging Methods

/**
 * Log a message with trace log level. </p>
 *
 * @param message log this message
 */
public void trace(Object message);

/**
 * Log an error with trace log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void trace(Object message, Throwable t);

/**
 * Log a message with debug log level. </p>
 *
 * @param message log this message
 */
public void debug(Object message);

/**
 * Log an error with debug log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void debug(Object message, Throwable t);

/**
 * Log a message with info log level. </p>
 *
 * @param message log this message
 */
public void info(Object message);
/**
 * <p>Log an error with info log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void info(Object message, Throwable t);

/**
 * <p>Log a message with warn log level. </p>
 *
 * @param message log this message
 */
public void warn(Object message);

/**
 * <p>Log an error with warn log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void warn(Object message, Throwable t);

/**
 * <p>Log a message with error log level. </p>
 *
 * @param message log this message
 */
public void error(Object message);

/**
 * <p>Log an error with error log level. </p>
 *
 * @param message log this message
 * @param t log this cause
 */
public void error(Object message, Throwable t);

/**
 * <p>Log a message with fatal log level. </p>
 *
 * @param message log this message
 */
public void error(Object message, Throwable t);
public void fatal(Object message);

/**
 * <p> Log an error with fatal log level. </p>
 * *
 * @param message log this message
 * @param t log this cause
 */
public void fatal(Object message, Throwable t);

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1.131 libpsl 0.7.1

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 */

package org.apache.log4j;

import org.apache.log4j.spi.Filter;
import org.apache.log4j.spi.ErrorHandler;
import org.apache.log4j.spi.Layout;
import org.apache.log4j.spi.LoggingEvent;

/**
 * Implement this interface for your own strategies for outputting log
 * statements.
 *
 * @author Ceki Gülcü
 */

public interface Appender {

/**
 * Add a filter to the end of the filter list.
 *
 * @since 0.9.0
 */
    void addFilter(Filter newFilter);
/**
 * Returns the head Filter. The Filters are organized in a linked list
 * and so all Filters on this Appender are available through the result.
 *
 * @return the head Filter or null, if no Filters are present
 * @since 1.1
 */
public Filter getFilter();

/**
 * Clear the list of filters by removing all the filters in it.
 *
 * @since 0.9.0
 */
public void clearFilters();

/**
 * Release any resources allocated within the appender such as file
 * handles, network connections, etc.
 * <p/>
 * <p>It is a programming error to append to a closed appender.
 *
 * @since 0.8.4
 */
public void close();

/**
 * Log in <code>Appender</code> specific way. When appropriate,
 * Loggers will call the <code>doAppend</code> method of appender
 * implementations in order to log.
 */
public void doAppend(LoggingEvent event);

/**
 * Get the name of this appender. The name uniquely identifies the
 * appender.
 */
public String getName();

/**
 * Set the { @link ErrorHandler } for this appender.
 *
 * @since 0.9.0
 */
public void setErrorHandler(ErrorHandler errorHandler);
/**
 * Returns the {@link ErrorHandler} for this appender.
 * @since 1.1
 */
public ErrorHandler getErrorHandler();

/**
 * Set the {@link Layout} for this appender.
 * @since 0.8.1
 */
public void setLayout(Layout layout);

/**
 * Returns this appenders layout.
 * @since 1.1
 */
public Layout getLayout();

/**
 * Set the name of this appender. The name is used by other
 * components to identify this appender.
 * @since 0.8.1
 */
public void setName(String name);

/**
 * Configurators call this method to determine if the appender
 * requires a layout. If this method returns <code>true</code>,
 * meaning that layout is required, then the configurator will
 * configure an layout using the configuration information at its
 * disposal. If this method returns <code>false</code>, meaning that
 * a layout is not required, then layout configuration will be
 * skipped even if there is available layout configuration
 * information at the disposal of the configurator..
 * <p/>
 * In the rather exceptional case, where the appender
 * implementation admits a layout but can also work without it, then
 * the appender should return <code>true</code>.
 * @since 0.8.4
 */
public boolean requiresLayout();
1.136 log4j-rolling-appender 20131024-2017

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  (<http://agentzh.blogspot.com/2009/10/hacking-on-nginx-echo-module.html>) about this module's initial development.
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## Contributions to the OpenBLAS project

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  * Optimize BLAS3 on ICT Loongson 3A.
  * Optimize BLAS3 on Intel Sandy Bridge.

* Zaheer Chothia  <zaheer.chothia@gmail.com>
  * Improve the compatibility about complex number
  * Build LAPACK: C interface to LAPACK
  * Improve the windows build.

### Previous Developers

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* Luo Wen
  * Intern. Test Level-2 BLAS.

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* pipping  <http://page.mi.fu-berlin.de/pipping>

* Stefan Karpinski  <stefan@karpinski.org>
  * [2011-12-28] Fix a bug about SystemStubs on Mac OS X.

* Alexander Eberspcher  <https://github.com/aeberspaecher>
  * [2012-05-02] Add note on patch for segfaults on Linux kernel 2.6.32.

* Mike Nolta  <mike@nolta.net>
  * [2012-05-19] Fix building bug on FreeBSD and NetBSD.

* Sylvestre Ledru  <https://github.com/sylvestre>
  * [2012-07-01] Improve the detection of sparc. Fix building bug under Hurd and freebsd.

* Jameson Nash  <https://github.com/vtjnash>
* [2012-08-20] Provide support for passing CFLAGS, FFLAGS, PFLAGS, FPFLAGS to make on the command line.

* Alexander Nasonov <alnsn@yandex.ru>

* Sbastien Villemot <sebastien@debian.org>
  * [2012-11-14] Fix compilation with TARGET=GENERIC. Patch applied to Debian package.

* Werner Saar <wernsaar@googlemail.com>
  * [2013-03-04] Optimize AVX and FMA4 DGEMM on AMD Bulldozer
  * [2013-04-27] Optimize AVX and FMA4 TRSM on AMD Bulldozer
  * [2013-06-09] Optimize AVX and FMA4 SGEMM on AMD Bulldozer
  * [2013-06-11] Optimize AVX and FMA4 ZGEMM on AMD Bulldozer
  * [2013-06-12] Optimize AVX and FMA4 CGEMM on AMD Bulldozer
  * [2013-06-16] Optimize dgemv_n kernel on AMD Bulldozer
  * [2013-06-20] Optimize ddot, daxpy kernel on AMD Bulldozer
  * [2013-06-21] Optimize dcopy kernel on AMD Bulldozer

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  * [2013-05-22] Fix a bug about wget.

* Dan Luu <http://www.linkedin.com/in/danluu>

* grisuthedragon <https://github.com/grisuthedragon>
  * [2013-07-11] create openblas_get_parallel to retrieve information which parallelization model is used by OpenBLAS.

* Sbastien Fabbro <bicatali@gentoo.org>
  * [2013-07-24] Modify makefile to respect user's LDFLAGS
  * [2013-07-24] Add stack markings for GNU as arch-independent for assembler files

* [Your name or handle] <[email or website]>
  * [Date] [Brief summary of your changes]

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This package was debianized by Sylvestre Ledru <sylvestre@debian.org> on Fri, 25 Mar 2011 20:22:27 +0100

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* Contributors:
* 10/15/2010-2.2 Guy Pelletier
* - 322008: Improve usability of additional criteria applied to queries at the session/EM
*******************************************************************************

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1.178 PostgreSQL 9.4.6

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1.179 PostgreSQL JDBC Driver 9.4-1201-jdbc41

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1.180 postgresql-common 177.pgdg14.04+1

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1.182 python-chardet 2.2.1 :4chl1~precise1
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1.183 python-colorama 0.2.5 :0.1ubuntu2
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1.184 python-pip 1.5.4 :1
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1.187 rapidjson 0.11

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1.189 rlite 1.0.91

1.189.1 Available under license:

# rlite

Tiny, [fast](http://jsperf.com/rlite/2), light-weight JavaScript routing with zero dependencies.

- Zero dependencies
- No performance drop as you add routes
- Order of route declaration doesn’t matter: the most specific route wins
- Roughly 600 bytes minified and gzipped
- Parses query strings


## Usage

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971
Rlite does not come with any explicit tie into HTML5 push state or hash-change events, but these are easy enough to tie in based on your needs. Here’s an example:

```javascript
var r = Rlite();

// Default route
r.add('', function () {
    document.title = 'Home';
});

// #inbox
r.add('inbox', function () {
    document.title = 'In';
});

// #sent?to=john -> r.params.to will equal 'john'
r.add('sent', function (r) {
    document.title = 'Out ' + r.params.to;
});

// #users/chris -> r.params.name will equal 'chris'
r.add('users/:name', function (r) {
    document.title = 'User ' + r.params.name;
});

// #logout
r.add('logout', function () {
    document.title = 'Logout';
});

// Hash-based routing
function processHash() {
    var hash = location.hash || '#';
    r.run(hash.slice(1));
}

window.addEventListener('hashchange', processHash);
processHash();
```

The previous examples should be relatively self-explanatory. Simple, parameterized routes are supported. Only relative URLs are supported. (So, instead of passing: 'http://example.com/users/1', pass '/users/1').

Routes are not case sensitive, so `"Users/:name"` will resolve to `"users/:name"`

One other non-obvious thing is this: if there is a query parameter with the same name as a route parameter, it will override the route parameter. So given the following route definition:
If you pass the following URL:

/users/chris?name=joe

The value of params.name will be 'joe', not 'chris'.

You can also use it as a pattern matcher through 'lookup'. It works like the router but instead of calling the registered callback it returns an object with the callback and the matched params.

### Browserify

This library is [CommonJS](http://www.commonjs.org/) compatible, so you can use it in this way:

```javascript
```
r.add('hey/:name', function(r) {
    // This will run. Last one in wins!
})

If you want to have multiple handlers for the same route, you can include plugins/rlite-handlers.min.js, so your scripts might look like:

<script src="rlite.min.js"></script>
<script src="plugins/rlite-handlers.min.js"></script>

You'd use it like this:

var r = Rlite();

function setTitle(r) {
    document.title = r.params.name;
}

function logName(r) {
    console.log(r.params.name);
}

r.add('example/:name', Rlite.handlers(setTitle, logName));

## Installation

Just download rlite.min.js, or use bower:

    bower install rlite

Or use npm:
    https://www.npmjs.com/package/rlite-router
    npm install --save rlite-router

## Contributing

Make your changes (and add tests), then run the tests:

    npm test

If all is well, build your changes:

    npm run min

This minifies rlite, and tells you the size. It's currently just under 700 bytes, and I'd like to keep it that way!
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1.190 runit 2.1.1-6.2 :ubuntu2.1

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1.192 scala-java8-compat_2.11 0.7.0
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<html lang="en" dir="ltr">
<head profile="http://www.w3.org/1999/xhtml/vocab">
<meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
<meta name="viewport" content="width=device-width, initial-scale=1" />
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function myFunction() {
    var x;
    if (confirm("Disclaimer: While the OSI acknowledges these as potentially helpful resources for the community, it does not endorse any content, contributors or license interpretations from these websites. Any links to these")
    ```javascript
    <button onclick="myFunction()">Further resources on The BSD 3-Clause License</button>
    ```
    </script>
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```javascript
x = "\n";
}
document.getElementById("demo").innerHTML = x;
```
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1.193 scala-logging_2.11 3.1.0

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 *
 */
package org.slf4j;
import org.slf4j.helpers.BasicMarkerFactory;
import org.slf4j.helpers.Util;
import org.slf4j.impl.StaticMarkerBinder;

/**
 * MarkerFactory is a utility class producing { @link Marker} instances as
 * appropriate for the logging system currently in use.
 * *
 * <p>
 * This class is essentially implemented as a wrapper around an
 * { @link IMarkerFactory} instance bound at compile time.
 * *
 * <p>
 * Please note that all methods in this class are static.
 * *
 * @author Ceki Gälécü;
 */

public class MarkerFactory {

    static IMarkerFactory markerFactory;

    private MarkerFactory() {
    }

    static {
        try {
            markerFactory = StaticMarkerBinder.SINGLETON.getMarkerFactory();
        } catch (NoClassDefFoundError e) {
            markerFactory = new BasicMarkerFactory();
        } catch (Exception e) {
            // we should never get here
            Util.report("Unexpected failure while binding MarkerFactory", e);
        }
    }

    /**
     * Return a Marker instance as specified by the name parameter using the
     * previously bound { @link IMarkerFactory} instance.
     *
     * @param name
     * @return marker
     */

    public static Marker getMarker(String name) {
        return markerFactory.getMarker(name);
    }

    }
public static Marker getDetachedMarker(String name) {
    return markerFactory.getDetachedMarker(name);
}

/**
 * Return the @link IMarkerFactory instance in use.
 *
 * <p>The IMarkerFactory instance is usually bound with this class at compile time.
 *
 * @return the IMarkerFactory instance in use
 */
public static IMarkerFactory getIMarkerFactory() {
    return markerFactory;
}

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# ==============
# Python was created in the early 1990s by Guido van Rossum at Stichting
# Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands
# as a successor of a language called ABC. Guido remains Python's
# principal author, although it includes many contributions from others.
# In 1995, Guido continued his work on Python at the Corporation for
# National Research Initiatives (CNRI, see http://www.cnri.reston.va.us)
# in Reston, Virginia where he released several versions of the
# software.
#
# In May 2000, Guido and the Python core development team moved to
# BeOpen.com to form the BeOpen PythonLabs team. In October of the same
# year, the PythonLabs team moved to Digital Creations (now Zope
# Corporation, see http://www.zope.com). In 2001, the Python Software
# Foundation (PSF, see http://www.python.org/psf/) was formed, a
# non-profit organization created specifically to own Python-related
# Intellectual Property. Zope Corporation is a sponsoring member of
# the PSF.
#
# All Python releases are Open Source (see http://www.opensource.org for
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# releases have also been GPL-compatible; the table below summarizes
# the various releases.
#
# Release Derived Year Owner GPL-
# from compatible? (1)

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## Credit

Library has been written by Tatu Saloranta (tatu.saloranta@iki.fi).
It was started at Ning, Inc., as an official Open Source process used by
platform backend, but after initial versions has been developed outside of
Ning by supporting community.

Other contributors include:

* Jon Hartlaub (first versions of streaming reader/writer; unit tests)
* Cedrik Lime: parallel LZF implementation

Various community members have contributed bug reports, and suggested minor
fixes; these can be found from file "VERSION.txt" in SCM.

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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The inverse error function implementation in the Erf class is based on CUDA code developed by Mike Giles, Oxford-Man Institute of Quantitative Finance, and published in GPU Computing Gems, volume 2, 2010.

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# Compress LZF

This library contains efficient implementation of LZF compression format, as well as additional helper classes that build on JDK-provided gzip (deflat) codec.

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## Credit

Library has been written by Tatu Saloranta (tatu.saloranta@iki.fi). It was started at Ning, inc., as an official Open Source process used by platform backend, but after initial versions has been developed outside of Ning by supporting community.

Other contributors include:

* Jon Hartlaub (first versions of streaming reader/writer; unit tests)
* Cedrik Lime: parallel LZF implementation

Various community members have contributed bug reports, and suggested minor fixes; these can be found from file "VERSION.txt" in SCM.

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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#

acquire_rat_jar () {

  URL="http://repo1.maven.org/maven2/org/apache/rat/apache-rat/${RAT_VERSION}/apache-rat-${RAT_VERSION}.jar"

  JAR="$rat_jar"

  # Download rat launch jar if it hasn't been downloaded yet
if [ ! -f "$JAR" ]; then
  # Download
  printf "Attempting to fetch rat\n"
  JAR_DL="${JAR}.part"
  if [ $(command -v curl) ]; then
    curl -L --silent "${URL}" > "$JAR_DL" && mv "$JAR_DL" "$JAR"
  elif [ $(command -v wget) ]; then
    wget --quiet ${URL} -O "$JAR_DL" && mv "$JAR_DL" "$JAR"
  else
    printf "You do not have curl or wget installed, please install rat manually.\n"
    exit -1
  fi
fi

unzip -tq "$JAR" &> /dev/null
if [ $? -ne 0 ]; then
  # We failed to download
  rm "$JAR"
  printf "Our attempt to download rat locally to ${JAR} failed. Please install rat manually.\n"
  exit -1
fi

# Go to the Spark project root directory
FWDIR="$(cd ""; "dirname "$0"/..; pwd)"
cd "$FWDIR"

if test -x "$JAVA_HOME/bin/java"; then
  declare java_cmd="$JAVA_HOME/bin/java"
else
  declare java_cmd=java
fi

export RAT_VERSION=0.10
export rat_jar="$FWDIR/lib/apache-rat-${RAT_VERSION}.jar"
mkdir -p "$FWDIR/lib"

[[ -f "$rat_jar" ]] || acquire_rat_jar || {
  echo "Download failed. Obtain the rat jar manually and place it at $rat_jar"
  exit 1
}

$java_cmd -jar "$rat_jar" -E "$FWDIR/.rat-excludes" -d "$FWDIR" > rat-results.txt

if [ $? -ne 0 ]; then
  echo "RAT exited abnormally"
  exit 1
fi
ERRORS="$(cat rat-results.txt | grep -e "??")"

if test ! -z "$ERRORS"; then
    echo "Could not find Apache license headers in the following files:"
    echo "$ERRORS"
    exit 1
else
    echo -e "RAT checks passed."
fi

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1.240 stax2-api 3.1.1

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 */

package org.codehaus.stax2.ri;
import java.util.NoSuchElementException;
import javax.xml.stream.*;
import javax.xml.stream.events.*;
import javax.xml.stream.util.XMLEventAllocator;
import org.codehaus.stax2.XMLEventReader2;
import org.codehaus.stax2.XMLStreamReader2;

/**
 * Almost complete implementation of {@link XMLEventReader2}, built on top of
 * a generic {@link XMLStreamReader} implementation (using aggregation).
 * Designed to be used by concrete Stax2 implementations to provide
 * full Event API implementation with minimal effort.
 *<p>
 * Since there is not much to optimize at this
 * level (API and underlying stream reader pretty much define functionality
 * and optimizations that can be done), implementation is fairly straight
 * forward, with not many surprises.
 *<p>
 * Implementation notes: the trickiest things to implement are:
 * <ul>
 *  <li>Peek() functionality! Geez, why did that have to be part of StAX
 *  * specs????!
 *  * </li>
 *  <li>Adding START_DOCUMENT event that cursor API does not return
 *  * explicitly.
 *  * </li>
 * </ul>
 */
public abstract class Stax2EventReaderImpl
    implements XMLEventReader2, XMLStreamConstants
{
    // // // Enumerated state ids

    protected final static int STATE_INITIAL = 1;
    protected final static int STATE_END_OF_INPUT = 2;
    protected final static int STATE_CONTENT = 3;

    // // // Enumerated error case ids

    /**
     * Current state when getElementText() called not START_ELEMENT
     */
    protected final static int ERR_GETELEMTEXT_NOT_START_ELEM = 1;

/**
 * Encountered non-textual event (other than closing END_ELEMENT)
 * when collecting text for getElementText()
 */
protected final static int ERR_GETELEMTEXT_NON_TEXT_EVENT = 2;

/**
 * Encountered CHARACTERS or CDATA that contains non-white space
 * char(s), when trying to locate tag with nextTag()
 */
protected final static int ERR_NEXTTAG_NON_WS_TEXT = 3;

/**
 * Encountered non-skippable non-text/element event with
 * nextTag()
 */
protected final static int ERR_NEXTTAG_WRONG_TYPE = 4;

/*
///////////////////////////////////////////
// Configuration
///////////////////////////////////////////
*/
protected final XMLEventAllocator mAllocator;
protected final XMLStreamReader2 mReader;

/*
///////////////////////////////////////////
// State
///////////////////////////////////////////
*/
private XMLEvent mPeekedEvent = null;

/**
 * Event that has been peeked, ie. loaded without call to
 * { @link #nextEvent; } will be returned and cleared by
 * call to { @link #nextEvent } (or, returned again if peeked
 * again)
 */

private XMLEvent mPeekedEvent = null;

/**
 * High-level state indicator, with currently three values:
 * whether we are initializing (need to synthetize START_DOCUMENT),
 * at END_OF_INPUT (end-of-doc), or otherwise, normal operation.
 * Useful in simplifying some methods, as well as to make sure
 * that independent of how stream reader handles things, event reader
protected int mState = STATE_INITIAL;

/**
 * This variable keeps track of the type of the 'previous' event
 * when peeking for the next Event. It is needed for some functionality,
 * to remember state even when underlying parser has to move to peek
 * the next event.
 */
protected int mPrePeekEvent = START_DOCUMENT;

protected Stax2EventReaderImpl(XMLEventAllocator a, XMLStreamReader2 r)
{
    mAllocator = a;
    mReader = r;
}

public abstract boolean isPropertySupported(String name);

public abstract boolean setProperty(String name, Object value);

/**
 * Method called upon encountering a problem that should result
 * in an exception being thrown. If non-null String is returned.
 * that will be used as the message of exception thrown; if null,
 * a standard message will be used instead.
 *
 * @param errorType Type of the problem, one of <code>ERR_</code>
 * constants
 * @param eventType Type of the event that triggered the problem,
 * if any; -1 if not available.
 */
protected abstract String getErrorDesc(int errorType, int eventType);
public void close()
    throws XMLStreamException
{
    mReader.close();
}

public String getElementText()
    throws XMLStreamException
{
    /* Simple, if no peeking occured: can just forward this to the
     * underlying parser
     */
    if (mPeekedEvent == null) {
        return mReader.getElementText();
    }

    XMLEvent evt = mPeekedEvent;
    mPeekedEvent = null;

    /* Otherwise need to verify that we are currently over START_ELEMENT.
     * Problem is we have already went past it...
     */
    if (mPrePeekEvent != START_ELEMENT) {
        reportProblem(findErrorDesc(ERR_GETELEMTEXT_NOT_START_ELEM, mPrePeekEvent));
    }
    // ??? do we need to update mPrePeekEvent now

    String str = null;
    StringBuffer sb = null;

    /* Ok, fine, then just need to loop through and get all the
     * text...
     */
    for (; true; evt = nextEvent()) {
        if (evt.isEndElement()) {
            break;
        }
        int type = evt.getEventType();
        if (type == COMMENT || type == PROCESSING_INSTRUCTION) {
            // can/should just ignore them
            continue;
        }
        if (!evt.isCharacters()) {

    */
reportProblem(findErrorDesc(ERR_GOTELEMTEXT_NON_TEXT_EVENT, type));

String curr = evt.asCharacters().getData();
if (str == null) {
    str = curr;
} else {
    if (sb == null) {
        sb = new StringBuffer(str.length() + curr.length());
        sb.append(str);
    }
    sb.append(curr);
}

if (sb != null) {
    return sb.toString();
}
return (str == null) ? "" : str;

public Object getProperty(String name) {
    return mReader.getProperty(name);
}

public boolean hasNext() {
    return (mState != STATE_END_OF_INPUT);
}

public XMLEvent nextEvent() throws XMLStreamException {
    if (mState == STATE_END_OF_INPUT) {
        throwEndOfInput();
    } else if (mState == STATE_INITIAL) {
        mState = STATE_CONTENT;
        return createStartDocumentEvent();
    }
    if (mPeekedEvent != null) {
        XMLEvent evt = mPeekedEvent;
        mPeekedEvent = null;
        if (evt.isEndDocument()) {
            mState = STATE_END_OF_INPUT;
        }
        return evt;
    }
    return createNextEvent(true, mReader.next());
}
public Object next() {
    try {
        return nextEvent();
    } catch (XMLStreamException sex) {
        throwUnchecked(sex);
        return null;
    }
}

public XMLEvent nextTag() throws XMLStreamException {
    // If we have peeked something, need to process it
    if (mPeekedEvent != null) {
        XMLEvent evt = mPeekedEvent;
        mPeekedEvent = null;
        int type = evt.getEventType();
        switch (type) {
            case END_DOCUMENT:
                return null;
            case START_DOCUMENT:
                // Need to skip START_DOCUMENT to get the root elem
                break;
            case SPACE:
                // Ignoorable WS is just fine
                break;
            /* !!! 07-Dec-2004, TSa: Specs are mum about Comments and PIs.
            * But why would they not be skipped just like what
            * the stream reader does?
            */
            case COMMENT:
            case PROCESSING_INSTRUCTION:
                break;
            case CDATA:
            case CHARACTERS:
                if (((Characters) evt).isWhiteSpace()) {
                    break;
                }
                reportProblem(findErrorDesc(ERR_NEXTTAG_NON_WS_TEXT, type));
                break; // never gets here, but some compilers whine without...
            case START_ELEMENT:
            case END_ELEMENT:
                return evt;
            default:
                reportProblem(findErrorDesc(ERR_NEXTTAG_WRONG_TYPE, type));
                break;
        }
    }
}

/* ### 07-Dec-2004, TSa: Specs are mum about Comments and PIs.
 * But why would they not be skipped just like what
 * the stream reader does?
 */

/
} else {
    /* 13-Sep-2005, TSa: As pointed out by Patrick, we may need to
     * initialize the state here, too; otherwise peek() won't work
     * correctly. The problem is that following loop's get method
     * does not use event reader's method but underlying reader's.
     * As such, it won't update state: most importantly, initial
     * state may not be changed to non-initial.
     */
    if (mState == STATE_INITIAL) {
        mState = STATE_CONTENT;
    }
}

while (true) {
    int next = mReader.next();

    switch (next) {
    case END_DOCUMENT:
        return null;
    case SPACE:
        /* !!! 07-Dec-2004, TSa: Specs are mum about Comments and PIs.
         * But why would they not be skipped just like what
         * the stream reader does?
         */
        case COMMENT:
            case PROCESSING_INSTRUCTION:
                continue;
            case CDATA:
            case CHARACTERS:
                if (mReader.isWhiteSpace()) {
                    continue;
                }
                reportProblem(findErrorDesc(ERR_NEXTTAG_NON_WS_TEXT, next));
                break; // just to keep Jikes happy...
    case START_ELEMENT:
    case END_ELEMENT:
        return createNextEvent(false, next);
    default:
        reportProblem(findErrorDesc(ERR_NEXTTAG_WRONG_TYPE, next));
    }
}

public XMLEvent peek()
    throws XMLStreamException
{
if (mPeekedEvent == null) {
    if (mState == STATE_END_OF_INPUT) {
        // 06-Mar-2006, TSa: Fixed as per Arjen's suggestion:
        //throwEndOfInput();
        return null;
    }
    if (mState == STATE_INITIAL) {
        // Not sure what it should be... but this should do:
        mPrePeekEvent = START_DOCUMENT;
        mPeekedEvent = createStartDocumentEvent();
        mState = STATE_CONTENT;
    } else {
        mPrePeekEvent = mReader.getEventType();
        mPeekedEvent = createNextEvent(false, mReader.next());
    }
} else {
    mPrePeekEvent = mReader.getEventType();
    mPeekedEvent = createNextEvent(false, mReader.next());
}
return mPeekedEvent;
}

/**
 * Note: only here because we implement Iterator interface. Will not
 * work, don't bother calling it.
 */
public void remove() {
    throw new UnsupportedOperationException("Can not remove events from XMLEventReader.");
}

/*
 // XMLEventReader2 API
 */

/**
 * Note: although the interface allows implementations to
 * throw an [ @link XMLStreamException], the reference implementation
 * doesn't currently need to.
 * It's still declared, in case in future there is need to throw
 * such an exception.
 */
public boolean hasNextEvent()
    throws XMLStreamException
{
    return (mState != STATE_END_OF_INPUT);
}

/*
protected XMLEvent createNextEvent(boolean checkEOD, int type)
    throws XMLStreamException
{
    try {
        XMLEvent evt = mAllocator.allocate(mReader);
        if (checkEOD && type == END_DOCUMENT) {
            mState = STATE_END_OF_INPUT;
        }
        return evt;
    } catch (RuntimeException rex) {
        /* 29-Mar-2008, TSa: Due to some problems with Stax API
           * (lack of ‘throws XMLStreamException’ in signature of
           * XMLStreamReader.getText(), for one) it is possible
           * we will get a wrapped XMLStreamException. If so,
           * we should be able to unwrap it.
           */
        Throwable t = rex.getCause();
        while (t != null) {
            if (t instanceof XMLStreamException) {
                throw (XMLStreamException) t;
            }
            t = t.getCause();
        }
        // Nope, need to re-throw as is
        throw rex;
    }
}

/**
 * Method called to create the very first event (START_DOCUMENT).
 */
protected XMLEvent createStartDocumentEvent()
    throws XMLStreamException
{
    XMLEvent start = mAllocator.allocate(mReader);
    return start;
}

/*

    // Overridable error reporting methods
*/


private void throwEndOfInput()
{
   throw new NoSuchElementException();
}

protected void throwUnchecked(XMLStreamException sex)
{
   /* Wrapped root cause? Let's only unwrap one layer; one that
   * must have been used to expose the problem (if any)
   */
   Throwable t = (sex.getNestedException() == null) ? sex : sex.getNestedException();
   // Unchecked? Can re-throw as is
   if (t instanceof RuntimeException) {
      throw (RuntimeException) t;
   }
   if (t instanceof Error) {
      throw (Error) t;
   }
   // Otherwise, let's just wrap it
   throw new RuntimeException("[was "+t.getClass()+"] "+t.getMessage(), t);
}

protected void reportProblem(String msg)
   throws XMLStreamException
{
   reportProblem(msg, mReader.getLocation());
}

protected void reportProblem(String msg, Location loc)
   throws XMLStreamException
{
   if (loc == null) {
      throw new XMLStreamException(msg);
   }
   throw new XMLStreamException(msg, loc);
}

/*
// Package methods for sub-classes
*/

protected XMLStreamReader getStreamReader()
{
   return mReader;
}
private final String findErrorDesc(int errorType, int currEvent) {
    String msg = getErrorDesc(errorType, currEvent);
    if (msg != null) {
        return msg;
    }
    switch (errorType) {
        case ERR_GETELEMTEXT_NOT_START_ELEM:
            return "Current state not START_ELEMENT when calling getElementText()";
        case ERR_GETELEMTEXT_NON_TEXT_EVENT:
            return "Expected a text token";
        case ERR_NEXTTAG_NON_WS_TEXT:
            return "Only all-whitespace CHARACTERS/CDATA (or SPACE) allowed for nextTag()";
        case ERR_NEXTTAG_WRONG_TYPE:
            return "Should only encounter START_ELEMENT/END_ELEMENT, SPACE, or all-white-space CHARACTERS";
    }
    // should never happen, but it'd be bad to throw another exception...
    return "Internal error (unrecognized error type: "+errorType+")";
}

/* Stax2 API extension for Streaming Api for Xml processing (StAX).

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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
package org.codehaus.stax2.ri;

import java.io.IOException;
import java.io.Writer;
import java.math.BigDecimal;
import java.math.BigInteger;
import javax.xml.namespace.NamespaceContext;
import javax.xml.namespace.QName;
import javax.xml.stream.*;
import org.codehaus.stax2.*;
import org.codehaus.stax2.ri.typed.ValueDecoderFactory;

/**
 * This is a partial base implementation of [ @link XMLStreamReader2],
 * the extended stream reader that is part of Stax2.
 */
public abstract class Stax2ReaderImpl
    implements XMLStreamReader2 /* From Stax2 */
            ,AttributeInfo
            ,DTDInfo
            ,LocationInfo
{
    /**
     * Factory used for constructing decoders we need for typed access
     */
    protected ValueDecoderFactory _decoderFactory;

    /**
     // Life-cycle methods
     */

    protected Stax2ReaderImpl()
    {
        
    }

    /**
     //////////////////////////////////////////////////////////////////////////////////
     */

// XMLStreamReader2 (StAX2) implementation

/*-----------------------------------------------------------------

// // // StAX2, per-reader configuration

public Object getFeature(String name)
{
    // No features defined
    return null;
}

public void setFeature(String name, Object value)
{
    // No features defined
}

// NOTE: getProperty() defined in Stax 1.0 interface

public boolean isPropertySupported(String name) {
    /* No way to cleanly implement this using just Stax 1.0
     * interface, so let's be conservative and decline any knowledge
     * of properties...
     */
    return false;
}

public boolean setProperty(String name, Object value)
{
    return false; // could throw an exception too
}

// // // StAX2, additional traversal methods

public void skipElement() throws XMLStreamException
{
    if (getEventType() != START_ELEMENT) {
        throwNotStartElem();
    }
    int nesting = 1; // need one more end elements than start elements
    while (true) {
        int type = next();
        if (type == START_ELEMENT) {
            ++nesting;
        } else if (type == END_ELEMENT) {
            if (--nesting == 0) {
                break;
            }
        }
    }
}
// // StAX2, additional attribute access

double AttributeInfo getAttributeInfo() throws XMLStreamException
{
    if (getEventType() != START_ELEMENT) {
        throwNotStartElem();
    }
    return this;
}

// // StAX2, Additional DTD access

double DTDInfo getDTDInfo() throws XMLStreamException
{
    if (getEventType() != DTD) {
        return null;
    }
    return this;
}

// // StAX2, Additional location information

/**
 * Location information is always accessible, for this reader.
 */
double final LocationInfo getLocationInfo() {
    return this;
}

// // StAX2, Pass-through text accessors

private double setText(Writer w, boolean preserveContents)
    throws IOException, XMLStreamException
{
    char[] cbuf = getTextCharacters();
    int start = getTextStart();
    int len = getTextLength();

    if (len > 0) {
        w.write(cbuf, start, len);
    }
    return len;
}
// // StAX 2, Other accessors

/**
 * @return Number of open elements in the stack; 0 when parser is in
 * prolog/epilog, 1 inside root element and so on.
 */
public abstract int getDepth();

public abstract boolean isEmptyElement() throws XMLStreamException;

public abstract NamespaceContext getNonTransientNamespaceContext();

public String getPrefixedName()
{
    switch (getEventType()) {
        case START_ELEMENT:
        case END_ELEMENT:
            {
                String prefix = getPrefix();
                String ln = getLocalName();

                if (prefix == null) {
                    return ln;
                }
                StringBuffer sb = new StringBuffer(ln.length() + 1 + prefix.length());
                sb.append(prefix);
                sb.append(':');
                sb.append(ln);
                return sb.toString();
            }
        case ENTITY_REFERENCE:
            return getLocalName();
        case PROCESSING_INSTRUCTION:
            return getPITarget();
        case DTD:
            return getDTDRootName();

    }
    throw new IllegalStateException("Current state not START_ELEMENT, END_ELEMENT,
ENTITY_REFERENCE, PROCESSING_INSTRUCTION or DTD");
}

public void closeCompletely() throws XMLStreamException
{
    /* As usual, Stax 1.0 offers no generic way of doing just this.
     * But let's at least call the lame basic close()
     */
}
close();
}

/*

// AttributeInfo implementation (StAX 2)

*/

// Already part of XMLStreamReader

public int getAttributeCount();

public int findAttributeIndex(String nsURI, String localName)
{
    // !!! TBI
    return -1;
}

public int getIdAttributeIndex()
{
    // !!! TBI
    return -1;
}

public int getNotationAttributeIndex()
{
    // !!! TBI
    return -1;
}

/*

// DTDInfo implementation (StAX 2)

*/

public Object getProcessedDTD() {  
    return null;
}

public String getDTDRootName() {  
    return null;
}

public String getDTDPublicId() {  
    return null;
}
public String getDTDSystemId() {
        return null;
    }

/**
 * @return Internal subset portion of the DOCTYPE declaration, if any;
 *   empty String if none
 */
public String getDTDInternalSubset() {
        return null;
    }

    // StAX2, v2.0

    public DTDValidationSchema getProcessedDTDSchema() {
        return null;
    }

    /*
    // LocationInfo implementation (StAX 2)
    */

    // // First, the "raw" offset accessors:

    public long getStartingByteOffset() {
        return -1L;
    }

    public long getStartingCharOffset() {
        return 0;
    }

    public long getEndingByteOffset() throws XMLStreamException
    {
        return -1;
    }

    public long getEndingCharOffset() throws XMLStreamException
    {
        return -1;
    }

    // // // and then the object-based access methods:

    public abstract XMLStreamLocation2 getStartLocation();
public abstract XMLStreamLocation2 getCurrentLocation();

public abstract XMLStreamLocation2 getEndLocation()
    throws XMLStreamException;

/*

////////////////////////////////////////////////////////////////////////////////////
// Stax2 validation
////////////////////////////////////////////////////////////////////////////////////
/*/ 

public XMLValidator validateAgainst(XMLValidationSchema schema)
    throws XMLStreamException
{
    throwUnsupported();
    return null;
}

public XMLValidator stopValidatingAgainst(XMLValidationSchema schema)
    throws XMLStreamException
{
    throwUnsupported();
    return null;
}

public XMLValidator stopValidatingAgainst(XMLValidator validator)
    throws XMLStreamException
{
    throwUnsupported();
    return null;
}

public abstract ValidationProblemHandler setValidationProblemHandler(ValidationProblemHandler h);

/*

////////////////////////////////////////////////////////////////////////////////////
// TypedXMLStreamReader, scalar elements
////////////////////////////////////////////////////////////////////////////////////
/*/ 

public boolean getElementAsBoolean() throws XMLStreamException
{
    ValueDecoderFactory.BooleanDecoder dec = _decoderFactory().getBooleanDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public int getElementAsInt() throws XMLStreamException
{ 
    ValueDecoderFactory.IntDecoder dec = _decoderFactory().getIntDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public long getElementAsLong() throws XMLStreamException
{
    ValueDecoderFactory.LongDecoder dec = _decoderFactory().getLongDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public float getElementAsFloat() throws XMLStreamException
{
    ValueDecoderFactory.FloatDecoder dec = _decoderFactory().getFloatDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public double getElementAsDouble() throws XMLStreamException
{
    ValueDecoderFactory.DoubleDecoder dec = _decoderFactory().getDoubleDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public BigInteger getElementAsInteger() throws XMLStreamException
{
    ValueDecoderFactory.IntegerDecoder dec = _decoderFactory().getIntegerDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public BigDecimal getElementAsDecimal() throws XMLStreamException
{
    ValueDecoderFactory.DecimalDecoder dec = _decoderFactory().getDecimalDecoder();
    getElementAs(dec);
    return dec.getValue();
}

public QName getElementAsQName() throws XMLStreamException
{
    ValueDecoderFactory.QNameDecoder dec = _decoderFactory().getQNameDecoder(getNamespaceContext());
    getElementAs(dec);
    // !!! Should we try to verify validity of name chars?
    return dec.getValue();
}
public byte[] getElementAsBinary() throws XMLStreamException
{
    return getElementAsBinary(Base64Variants.getDefaultVariant());
}

// !!! TODO: copy code from Stax2ReaderAdapter?
public abstract byte[] getElementAsBinary(Base64Variant v) throws XMLStreamException;

public void getElementAs(TypedValueDecoder tvd) throws XMLStreamException
{
    String value = getElementText();
    try {
        tvd.decode(value);
    } catch (IllegalArgumentException iae) {
        throw _constructTypeException(iae, value);
    }
}

/*--------------------------------------------------------------------------------
// TypedXMLStreamReader2 implementation, array elements
//_once upon a time_  */

public int readElementAsIntArray(int[] value, int from, int length) throws XMLStreamException
{
    return readElementAsArray(_decoderFactory().getIntArrayDecoder(value, from, length));
}

public int readElementAsLongArray(long[] value, int from, int length) throws XMLStreamException
{
    return readElementAsArray(_decoderFactory().getLongArrayDecoder(value, from, length));
}

public int readElementAsFloatArray(float[] value, int from, int length) throws XMLStreamException
{
    return readElementAsArray(_decoderFactory().getFloatArrayDecoder(value, from, length));
}

public int readElementAsDoubleArray(double[] value, int from, int length) throws XMLStreamException
{
    return readElementAsArray(_decoderFactory().getDoubleArrayDecoder(value, from, length));
}

/**
 * Actual implementation needs to implement tokenization and state
 * keeping.
public abstract int readElementAsArray(TypedArrayDecoder dec) throws XMLStreamException;

public int readElementAsBinary(byte[] resultBuffer, int offset, int maxLength) throws XMLStreamException
{
    return readElementAsBinary(Base64Variants.getDefaultVariant(), resultBuffer, offset, maxLength);
}

public abstract int readElementAsBinary(Base64Variant b64variant, byte[] resultBuffer, int offset, int maxLength) throws XMLStreamException;

public abstract int getAttributeIndex(String namespaceURI, String localName);

public boolean getAttributeAsBoolean(int index) throws XMLStreamException
{
    ValueDecoderFactory.BooleanDecoder dec = _decoderFactory().getBooleanDecoder();
    getAttributeAs(index, dec);
    return dec.getValue();
}

public int getAttributeAsInt(int index) throws XMLStreamException
{
    ValueDecoderFactory.IntDecoder dec = _decoderFactory().getIntDecoder();
    getAttributeAs(index, dec);
    return dec.getValue();
}

public long getAttributeAsLong(int index) throws XMLStreamException
{
    ValueDecoderFactory.LongDecoder dec = _decoderFactory().getLongDecoder();
    getAttributeAs(index, dec);
    return dec.getValue();
}
public float getAttributeAsFloat(int index) throws XMLStreamException {
    ValueDecoderFactory.FloatDecoder dec = _decoderFactory().getFloatDecoder();
    getAttributeAs(index, dec);
    return dec.getValue();
}

public double getAttributeAsDouble(int index) throws XMLStreamException {
    ValueDecoderFactory.DoubleDecoder dec = _decoderFactory().getDoubleDecoder();
    getAttributeAs(index, dec);
    return dec.getValue();
}

public BigInteger getAttributeAsInteger(int index) throws XMLStreamException {
    ValueDecoderFactory.IntegerDecoder dec = _decoderFactory().getIntegerDecoder();
    getAttributeAs(index, dec);
    return dec.getValue();
}

public BigDecimal getAttributeAsDecimal(int index) throws XMLStreamException {
    ValueDecoderFactory.DecimalDecoder dec = _decoderFactory().getDecimalDecoder();
    getAttributeAs(index, dec);
    return dec.getValue();
}

public QName getAttributeAsQName(int index) throws XMLStreamException {
    ValueDecoderFactory.QNameDecoder dec = _decoderFactory().getQNameDecoder(getNamespaceContext());
    getAttributeAs(index, dec);
    // !!! Should we try to verify validity of name chars?
    return dec.getValue();
}

public void getAttributeAs(int index, TypedValueDecoder tvd) throws XMLStreamException {
    String value = getAttributeValue(index);
    try {
        tvd.decode(value);
    } catch (IllegalArgumentException iae) {
        throw _constructTypeException(iae, value);
    }
}
public int[] getAttributeAsIntArray(int index) throws XMLStreamException
{
    ValueDecoderFactory.IntArrayDecoder dec = _decoderFactory().getIntArrayDecoder();
    getAttributeAsArray(index, dec);
    return dec.getValues();
}

public long[] getAttributeAsLongArray(int index) throws XMLStreamException
{
    ValueDecoderFactory.LongArrayDecoder dec = _decoderFactory().getLongArrayDecoder();
    getAttributeAsArray(index, dec);
    return dec.getValues();
}

public float[] getAttributeAsFloatArray(int index) throws XMLStreamException
{
    ValueDecoderFactory.FloatArrayDecoder dec = _decoderFactory().getFloatArrayDecoder();
    getAttributeAsArray(index, dec);
    return dec.getValues();
}

public double[] getAttributeAsDoubleArray(int index) throws XMLStreamException
{
    ValueDecoderFactory.DoubleArrayDecoder dec = _decoderFactory().getDoubleArrayDecoder();
    getAttributeAsArray(index, dec);
    return dec.getValues();
}

/**
 * Actual implementation needs to implement tokenization.
 *<p>
 * !!! TODO: should be possible to implement completely
 */
public abstract int getAttributeAsArray(int index, TypedArrayDecoder tad) throws XMLStreamException;

public byte[] getAttributeAsBinary(int index) throws XMLStreamException
{
    return getAttributeAsBinary(Base64Variants.getDefaultVariant(), index);
}

public abstract byte[] getAttributeAsBinary(Base64Variant v, int index) throws XMLStreamException;

/*

// Package methods

*/
protected ValueDecoderFactory _decoderFactory()
{
    if (_decoderFactory == null) {
        _decoderFactory = new ValueDecoderFactory();
    } return _decoderFactory;
}

protected TypedXMLStreamException _construct(TypeException iae, String lexicalValue)
{
    return new TypedXMLStreamException(lexicalValue, iae.getMessage(), getStartLocation(), iae);
}

/*
   // Internal methods
   //////////////////////////////////////////////////////////////////////
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   */
protected void throwUnsupported()
    throws XMLStreamException
{
    throw new XMLStreamException("Unsupported method");
}

protected void throwNotStartElem()
{
    throw new IllegalStateException("Current state not START_ELEMENT");
}

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 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
package org.codehaus.stax2.ri;
import javax.xml.stream.*;

import javax.xml.stream.*;
import org.codehaus.stax2.*;
import org.codehaus.stax2.validation.*;

/**
 * This is a partial base implementation of { @link XMLStreamWriter2 },
 * the extended stream writer that is part of Stax2.
 * /
public abstract class Stax2WriterImpl
    implements XMLStreamWriter2 /* From Stax2 */
       ,XMLStreamConstants
{
    /*
    **********************************************
    // Life-cycle methods
    **********************************************
    */

      protected Stax2WriterImpl() { }

      /*
      **********************************************
      // XMLStreamWriter2 (StAX2) implementation
      **********************************************
      */

      public boolean isPropertySupported(String name)
      {
        /* No base properties (or should we have something for impl
         * name, version?)
        */
        return false;
      }

      public boolean setProperty(String name, Object value)
      {
        throw new IllegalArgumentException("No settable property "+name+"."");
      }

      public abstract XMLStreamLocation2 getLocation();

      public abstract String getEncoding();

      public void writeCData(char[] text, int start, int len)
      throws XMLStreamException
      {
        writeCData(new String(text, start, len));
      }
public void writeDTD(String rootName, String systemId, String publicId,
String internalSubset)
throws XMLStreamException
{
/* This may or may not work... depending on how well underlying
* implementation follows stax 1.0 spec (it should work)
*/
StringBuffer sb = new StringBuffer();
sb.append("<!DOCTYPE");
sb.append(rootName);
if (systemId != null) {
    if (publicId != null) {
        sb.append(" PUBLIC ");
        sb.append(publicId);
        sb.append(" ");
    } else {
        sb.append(" SYSTEM ");
    }
    sb.append(systemId);
    sb.append(" ");
}
// Hmmh. Should we output empty internal subset?
if (internalSubset != null && internalSubset.length() > 0) {
    sb.append(" ");
    sb.append(internalSubset);
    sb.append("}");
}
writeDTD(sb.toString());
}

public void writeFullEndElement()
throws XMLStreamException
{
/* This should work with base Stax 1.0 implementations.
* Sub-classes are, however, encouraged to implement it
* more directly, if possible.
*/
writeCharacters(""");
writeEndElement();
}

public void writeSpace(String text)
throws XMLStreamException
{
/* Hmmh. Two choices: either try to write as regular characters,
* or output as is via raw calls. Latter would be safer, if we
* had access to it; former may escape incorrectly.
* While this may not be optimal, let's try former
*/
writeRaw(text);
}

public void writeSpace(char[] text, int offset, int length)
    throws XMLStreamException
{
    // See comments above...
    writeRaw(text, offset, length);
}

public abstract void writeStartDocument(String version, String encoding,
    boolean standAlone)
    throws XMLStreamException;

/*
///////////////////////////////////////////////////////////
// Stax2, Pass-through methods
///////////////////////////////////////////////////////////
*/

public void writeRaw(String text)
    throws XMLStreamException
{
    writeRaw(text, 0, text.length());
}

public abstract void writeRaw(String text, int offset, int len)
    throws XMLStreamException;

public abstract void writeRaw(char[] text, int offset, int length)
    throws XMLStreamException;

public void copyEventFromReader(XMLStreamReader2 sr, boolean preserveEventData)
    throws XMLStreamException
{
    switch (sr.getEventType()) {
    case START_DOCUMENT:
    {
        String version = sr.getVersion();
        /* No real declaration? If so, we don't want to output
         * anything, to replicate as closely as possible the
         * source document
         */
        if (version == null || version.length() == 0) {
            ; // no output if no real input
        }
    }
} else {
    if (sr.standaloneSet()) {
        writeStartDocument(sr.getVersion(),
                          sr.getCharacterEncodingScheme(),
                          sr.isStandalone());
    } else {
        writeStartDocument(sr.getCharacterEncodingScheme(),
                          sr.getVersion());
    }
}
}

return;

case END_DOCUMENT:
    writeEndDocument();
    return;

    // Element start/end events:
    case START_ELEMENT:
        /* Start element is bit trickier to output since there
         * may be differences between repairing/non-repairing
         * writers. But let's try a generic handling here.
         */
        copyStartElement(sr);
        return;

    case END_ELEMENT:
        writeEndElement();
        return;

    case SPACE:
        writeSpace(sr.getTextCharacters(), sr.getTextStart(), sr.getTextLength());
        return;

    case CDATA:
        writeCData(sr.getTextCharacters(), sr.getTextStart(), sr.getTextLength());
        return;

    case CHARACTERS:
        writeCharacters(sr.getTextCharacters(), sr.getTextStart(), sr.getTextLength());
        return;

    case COMMENT:
        writeComment(sr.getText());
        return;

    case PROCESSING_INSTRUCTION:
        writeProcessingInstruction(sr.getPITarget(), sr.getPIData());
return;

case DTD:
{
    DTDInfo info = sr.getDTDInfo();
    if (info == null) {
        /* Hmmmh. Can this happen for non-DTD-aware readers?
        * And if so, what should we do?
        */
        throw new XMLStreamException("Current state DOCTYPE, but not DTDInfo Object returned -- reader
doesn't support DTDs?");
    }
    writeDTD(info.getDTDRootName(), info.getDTDSystemId(),
             info.getDTDPublicId(), info.getDTDInternalSubset());
}
return;

case ENTITY_REFERENCE:
    writeEntityRef(sr.getLocalName());
    return;

case ATTRIBUTE:
    case NAMESPACE:
    case ENTITY_DECLARATION:
    case NOTATION_DECLARATION:
        // Let's just fall back to throw the exception
    }
    throw new XMLStreamException("Unrecognized event type (" +sr.getEventType()+"); not sure how to copy");
}

/*
   // Stax2, validation
   ///////////////////////////////////////////////////////////////
   */

public XMLValidator validateAgainst(XMLValidationSchema schema)
    throws XMLStreamException
{
    throw new UnsupportedOperationException("Not yet implemented");
}

public XMLValidator stopValidatingAgainst(XMLValidationSchema schema)
    throws XMLStreamException
{
    return null;
}
public XMLValidator stopValidatingAgainst(XMLValidator validator)  
   throws XMLStreamException  
   {  
      return null;  
   }

public ValidationProblemHandler setValidationProblemHandler(ValidationProblemHandler h)  
   {  
      /* Not a real problem: although we can't do anything with it  
         * (without real validator integration)  
         */  
      return null;  
   }

/**  
 * Basic implementation of copy operation. It is likely that  
 * sub-classes can implement more efficient copy operations: if so,  
 * they should do so.  
 */
protected void copyStartElement(XMLStreamReader sr)  
   throws XMLStreamException  
   {  
      // Any namespace declarations/bindings?  
      int nsCount = sr.getNamespaceCount();  
      if (nsCount > 0) { // yup, got some...  
         /* First, need to (or at least, should?) add prefix bindings:  
            * (may not be 100% required, but probably a good thing to do,  
            * just so that app code has access to prefixes then)  
            */  
         for (int i = 0; i < nsCount; ++i) {  
            String prefix = sr.getNamespacePrefix(i);  
            String uri = sr.getNamespaceURI(i);  
            if (prefix == null || prefix.length() == 0) { // default NS  
               setDefaultNamespace(uri);  
            } else {  
               setPrefix(prefix, uri);  
            }  
         }  
      }  
      writeStartElement(sr.getPrefix(), sr.getLocalName(), sr.getNamespaceURI());  
   }
if (nsCount > 0) {
    // And then output actual namespace declarations:
    for (int i = 0; i < nsCount; ++i) {
        String prefix = sr.getNamespacePrefix(i);
        String uri = sr.getNamespaceURI(i);

        if (prefix == null || prefix.length() == 0) { // default NS
            writeDefaultNamespace(uri);
        } else {
            writeNamespace(prefix, uri);
        }
    }
}

/* And then let's just output attributes. But should we copy the
 * implicit attributes (created via attribute defaulting?) */
int attrCount = sr.getAttributeCount();
if (attrCount > 0) {
    for (int i = 0; i < attrCount; ++i) {
        writeAttribute(sr.getAttributePrefix(i),
                       sr.getAttributeNamespace(i),
                       sr.getAttributeLocalName(i),
                       sr.getAttributeValue(i));
    }
}

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1.248 validation-api 1.1.0

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From: mikel@ora.com (Michael Loukides)
Message-Id: <9508011257.AA00672@los.ora.com>
Subject: Re: Ksh debugger from Rosenblatt's book [for bash]
To: Chet Ramey <chet@odin.INS.CWRU.Edu>
Cc: cmarie@ora.com, cam@iinet.com.au, brosenblatt@tm.com
In-Reply-To: Chet Ramey <chet@odin.INS.CWRU.Edu>, Mon, 31 Jul 1995 16:22:48 -0400

I've modified a (modified) version of Bill Rosenblatt's ksh debugger
to work with bash-2.0. Does ORA have any problem with me distributing
it with bash-2.0?

That's great!

Go ahead and circulate it; in fact, we should probably grab it and
stick it in our ftp archive, and put a reference to it in the book.
(Too late to actually discuss the thing, at least for this edition).

-------
From spcecdt@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: spcecdt@armory.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP
(8.6.10+cwru/CWRU-2.1-ins)
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id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from speccd@armory.com for <chet@po.cwru.edu>)

From: John DuBois <speccd@armory.com>

Date: Tue, 9 May 1995 22:33:12 -0700

In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>

"ksh scripts" (May 9, 1:36pm)

X-Www: http://www.armory.com/~speccd/

X-Mailer: Mail User's Shell (7.2.5 10/14/92)

To: chet@po.cwru.edu

Subject: Re: ksh scripts

Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:

Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey

--
``The lyf so short, the craft so long to lerne." - Chaucer
Hi. I snagged some of your bash functions from your home directory on the FSF machines (naughty, I know), and I was wondering if you'd let me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in ~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

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* 
* http://code.google.com/p/curve25519-donna/
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* Adam Langley <agl@imperialviolet.org>
* 
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* 
* djb's sample implementation of curve25519 is written in a special assembly
* language called qasm and uses the floating point registers.
* 
* This is, almost, a clean room reimplementation from the curve25519 paper. It
* uses many of the tricks described therein. Only the crecip function is taken
* from the sample implementation.
*/

2.11 gcc 4.9.2 :2014-10-30

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@page
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference direct to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the
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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
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will operate properly with a modified version of the library, if
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interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
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than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
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e) Verify that the user has already received a copy of these
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the materials to be distributed need not include anything that is
normally distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
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Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

TERMS AND CONDITIONS

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"This License" refers to version 3 of the GNU General Public License.

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The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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/*
* This program is used to determine the screen dimensions on OS/2 systems.
* Adapted from code written by Kyosuke Tokoro (NBG01720@nifty.ne.jp).
*/

/*
* When I wrote this routine, I consulted some part of the source code
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/

/*
* Routines dealing with signals.
*
* A signal usually merely causes a bit to be set in the "signals" word.
* At some convenient time, the mainline code checks to see if any
* signals need processing by calling psignal().
* If we happen to be reading from a file [in iread()] at the time
* the signal is received, we call intread to interrupt the iread.
*/
/
*
* regcomp and regexec -- regsub and regerror are elsewhere
*
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*
* Beware that some of this code is subtly aware of the way operator
* precedence is structured in regular expressions. Serious changes in
* regular-expression syntax might require a total rethink.
*
* *** NOTE: this code has been altered slightly for use in Tcl. ***
* Slightly modified by David MacKenzie to undo most of the changes for TCL.
* Added regexec2 with notbol parameter. -- 4/19/99 Mark Nudelman
*/

Less, version 471

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2.19 libcurl 7.40.0
2.19.1 Available under license :

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2.20 libssh 0.6.4+git0+3880a8ed80

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*  
* OpenSSL integration was taken from Emilia Kasper's work in ecp_nistp224.c.  
* Otherwise based on Emilia's P224 work, which was inspired by my curve25519  
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2.27 perl 5.20.0

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2.31 shadow-securetty 4.2.1 :r3

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The following list of people, sorted by last name, have contributed
code or patches to this implementation of sudo since I began
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you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piet
Brown, Jerry
Burr, Michael E
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Frysinger, Mike
G., Daniel Richard
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworkin
Nieuwma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raad, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Evgene
SATO, Yuichi
Scheetz, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarz, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Spangler, Aaron
Spradling, Clockey D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John

The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Casagrande, Milo
Castro, Felipe
Chernoivan, Yuri
Diguez, Francisco
Ferreira, Rafael
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe
Hein, Jochen
Jerovek, Damir
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Koir, Klemen
Kozlov, Yuri
Kramer, Jakob
Krznar, Tomislav
Marchal, Frederic
Margevius, Algimantas
Maryanov, Pavel
Nikoli, Miroslav
Nylander, Daniel
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jloup@gzip.org          madler@alumni.caltech.edu

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The of the start-stop-daemon

* A rewrite of the original Debian's start-stop-daemon Perl script
* in C (faster - it is executed many times during system startup).
* Written by Marek Michalkiewicz <marekm@i17linuxb.ists.pwr.wroc.pl>, public domain.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the “Lesser” General Public License because it does Less to protect the user’s freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be
allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation
and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square
These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
linked with it, is called a "work that uses the Library". Such a
work, in isolation, is not a derivative work of the Library, and
therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
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engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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      (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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Otherwise, if the work is a derivative of the Library, you may
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6. As an exception to the Sections above, you may also combine or
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with the Library, with the complete machine-readable "work that
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executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
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to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
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That's all there is to it!

2.37 update-rc.d 0.7

2.37.1 Available under license:

#!/bin/sh
#
# update-rc.d Update the links in /etc/rc[0-9S].d/
#
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initd="/etc/init.d"
etcd="/etc/rc"
notreally=0
force=0
dostart=0
verbose=0

usage()
{
    cat >&2 <<EOF
        update-rc.d [-n] [-r <root>] [-s] <basename> defaults [NN | sNN kNN]
    -n: not really
    -f: force
    -v: verbose
    -r: alternate root path (default is /)
    -s: invoke start methods if appropriate to current runlevel
    EOF
}
checklinks()
{
local i dn fn remove=0
if [ "x$1" = "xremove" ]; then
echo " Removing any system startup links for $bn ..."
remove=1
fi

for i in 0 1 2 3 4 5 6 7 8 9 S; do
dn="${etcd}${i}.d"
if [ ! -d $dn ]; then
continue;
fi
for f in ${dn}/[SK]??${bn}; do
if [ -L $f ]; then
if [ $remove -eq 0 ]; then
return 1
fi
rm $f
fi
do
done

return 0
}

dolink()
{
startstop=$1
lev=`echo $2 | cut -d/ -f1`
nn=`echo $2 | cut -d/ -f2`
fn="${etcd}$lev.d/${startstop}${nn}${bn}"
[ $verbose -eq 1 ] && echo " $fn -> ../init.d/$bn"
if [ $notreally -eq 0 ]; then
mkdir -p `dirname $fn`
l=$((startstop = "S" ) && [ $lev = $RUNLEVEL ]]; then
$fn start || true
fi
}

makelinks()
{
}
if ! checklinks; then
  echo " System startup links for $initd/$bn already exist."
fi

if [ $dostart -eq 1 ] && [ $notreally -eq 0 ] && [ -L ${etcd}${RUNLEVEL}.d/S??${bn} ]; then
  ${etcd}${RUNLEVEL}.d/S??${bn} restart || true
fi

exit 0

fi

echo " Adding system startup for $initd/$bn."

for i in $startlinks; do
dolink S $i
done

for i in $stoplinks; do
dolink K $i
done

while [ $# -gt 0 ]; do
  case $1 in
    -n)
      notreally=1
      shift
      continue
    ;;
    -v)
      verbose=1
      shift
      continue
    ;;
    -f)
      force=1
      shift
      continue
    ;;
    -s)
      dostart=1
      shift
      continue
    ;;
    -r)
      shift
      root=$1
      initid="${root}${initd}"  
      etcd="${root}${etcd}"  
      shift
    ;;
    -h | --help)
      usage
      exit 0
    ;;
    *)
      usage
  esac
  shift
done

usage
exit 1
;
*)
break
;
esac
done

if [ $# -lt 2 ]; then
usage
exit 1
fi

bn=$1
shift

sn=$initd/$bn
if [-L "$sn" -a -n "$root" ]; then
if which readlink >/dev/null; then
while true; do
  linksn="$(readlink "$sn")"
  if [ -z "$linksn" ]; then
    break
  fi
  case "$linksn" in
    /*) sn="$root$linksn" ;;
    *) sn="$initd/$linksn" ;;
  esac
done
else
  echo "update-rc.d: readlink tool not present, cannot check whether \n$sn symlink points to a valid file." >&2
fi
fi

if [ $1 != "remove" ]; then
if [ ! -f "$sn" ]; then
  echo "update-rc.d: $initd/$bn: file does not exist" >&2
else
  if [ -f "$sn" ]; then
    if [ $force -eq 1 ]; then
      echo "update-rc.d: $initd/$bn exists during rc.d purge (continuing)" >&2
    else
      echo "update-rc.d: $initd/$bn exists during rc.d purge (use -f to force)" >&2
    fi
  fi
fi
else
  if [ -f "$sn" ]; then
    if [ $force -eq 1 ]; then
      echo "update-rc.d: $initd/$bn: file does not exist" >&2
    else
      echo "update-rc.d: $initd/$bn exists during rc.d purge (continuing)" >&2
    fi
  fi
fi
exit 1
fi
fi
fi
if [ $dostart -eq 1 ]; then
    #RUNLEVEL=`sed 's/.*\[\(.*\)\]\A/ /proc/1/cmdline`
    RUNLEVEL=`runlevel | cut -d" " -f2`
    if [ "x$RUNLEVEL" = "x" ]; then
        echo "Unable to determine current runlevel" >&2
        exit 1
    fi
fi

    case $1 in
        remove)
            checklinks "remove"
            #
            defaults)
            if [ $# -gt 3 ]; then
                echo "defaults takes only one or two arguments" >&2
                usage
                exit 1
            fi
            start=20
            stop=20
            if [ $# -gt 1 ]; then
                start=$2
                stop=$2
            fi
            if [ $# -gt 2 ]; then
                stop=$3
            fi
            start=`printf %02d $start`
            stop=`printf %02d $stop`
            stoplinks="0/$stop 1/$stop 6/$stop"
            startlinks="2/$start 3/$start 4/$start 5/$start"
            makelinks
            #
            start | stop)
            while [ $# -gt 0 ]; do
                if [ $1 = "start" ]; then
                    letter=S
                elif [ $1 = "stop" ]; then
                    letter=K
                else
                    break
                fi
            fi
            shift
            let manual=""
echo "expected start or stop" >&2
usage
exit 1
fi
shift
NN=`printf %02d $(expr $1 + 0)`
shift
while [ "x$1" != "x." ]; do
  if [ $# -eq 0 ]; then
    echo "action with list of runlevels not terminated by \." >&2
    exit 1
  fi
  level=$1
  shift
case $letter in
    S) startlinks="$startlinks $level/$NN" ;;
    K) stoplinks="$stoplinks $level/$NN" ;;
esac
done
shift
done
makelinks

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Version 2, June 1991

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Version 2.1, February 1999

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---layout----------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout----------
Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux

----------

Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8dff51a88a045db233418dd73fbeb.img

----------

---layout--------

Disk <removed>: 10 MiB, 10485760 bytes, 20480 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: dos
Disk identifier: <removed>

Device Boot Start End Sectors Size Id Type
<removed>1 2048 4095 2048 1M 83 Linux
<removed>2 4096 20479 16384 8M a5 FreeBSD

----------

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout--------

Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

Slice Start End Sectors Size Type Fsize Bsize Cpg
c 4096 20479 16384 8M unused 0 0 0
d 0 16064 16065 7.9M unused 0 0 0
Partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
--------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------
Welcome to fdisk <removed>.
Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help): Disk <removed>2: 10 MiB, 10485760 bytes, 20480 sectors
Geometry: 255 heads, 63 sectors/track, 1 cylinders
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optional): 512 bytes / 512 bytes
Disklabel type: bsd
partitions: 4

Slice Start   End Sectors  Size Type     Fsize Bsize Cpg
a  4096 6144   2049  1M 4.2BSD       0     0   0
b  4096 20479  16384 8M unused       0     0   0
c  0 16064   16065  7.9M unused       0     0   0

d partition table entries are not in disk order.

Command (m for help): Leaving nested disklabel.

Command (m for help):
--------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help): Entering nested BSD disklabel.

Command (m for help):
0 unused 5 4.1BSD 9 4.4LFS d boot
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 */
/* tailf.c -- tail a log file and then follow it
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 *
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 *
 * less -F and tail -f cause a disk access every five seconds. This
 * program avoids this problem by waiting for the file size to change.
 * Hence, the file is not accessed, and the access time does not need to be
 * flushed back to disk. This is sort of a "stealth" tail.
 */
/*
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/*
 * Fallback for old or obscure libcs without dynamically allocated cpusets
 *
 * The following macros are based on code from glibc.
 *
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 */
/***/

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#

2.39 v86d 0.1.10
2.39.1 Available under license:

CFLAGS = -g -Wall
RANLIB = ranlib
OS != uname -s

sources = lrmi.c lrmi.h
objects = lrmi.o
pic_objects = lrmi.lo
all = liblrmi.a liblrmi.so vbetest
.if ${OS}=="NetBSD" || ${OS}=="OpenBSD"
  libs=-li386
.endif

all: $(all)

.c.o:
$(CC) -c $(CPPFLAGS) $(CFLAGS) -o ${.TARGET} ${.IMPSRC}

.SUFFIXES: .lo
.c.lo:
$(CC) -c $(CPPFLAGS) $(CFLAGS) -fPIC -o ${.TARGET} ${.IMPSRC}

liblrmi.a: $(objects)
$(AR) -r ${.TARGET} $(.ALLSRC)
$(RANLIB) $(.TARGET)

liblrmi.so: $(pic_objects)
$(CC) $(CPPFLAGS) $(CFLAGS) -fPIC -shared -o ${.TARGET} $(.ALLSRC) $(libs)

vbetest: vbetest.o liblrmi.a
$(CC) $(CPPFLAGS) $(CFLAGS) -o ${.TARGET} $(.ALLSRC) $(libs)

.PHONY: clean
clean:
rm -f $(objects) $(pic_objects) vbetest.o $(all) *.core

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2.40 xz 5.2.0

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==================

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#SET_PATH - This line is a placeholder to ease patching this script.

# Instead of unsetting XZ_OPT, just make sure that xz will use file format
# autodetection. This way memory usage limit and thread limit can be
# specified via XZ_OPT. With gzip, bzip2, and lzop it's OK to just unset the
# environment variables.
#!/bin/sh
# install - install a program, script, or datafile

scriptversion=2011-11-20.07; # UTC

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2.41 zlib 1.2.8

2.41.1 Available under license:

/* zlib.h -- interface of the 'zlib' general purpose compression library
version 1.2.8, April 28th, 2013

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The data format used by the zlib library is described by RFCs (Request for Comments) 1950 to 1952 in the files http://tools.ietf.org/html/rfc1950 (zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).

/*
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The data format used by the zlib library is described by RFCs (Request for
(zlib format), rfc1951 (deflate format) and rfc1952 (gzip format).
*/

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