

Saxon/C - Support #1962

Saxon/C and pkg-config

2013-12-16 11:41 - O'Neil Delpratt

Status:	New	Start date:	2013-12-16
Priority:	Normal	Due date:	
Assignee:	O'Neil Delpratt	% Done:	0%
Category:		Estimated time:	0:00 hour
Sprint/Milestone:		Spent time:	0:00 hour
Found in version:		Platforms:	
Description			
Reported by Tony Graham:			
From the 'pkg-config' page at [1]:			
pkg-config is a helper tool used when compiling applications			
and libraries.			
See also "Guide to pkg-config" at [2].			
If Saxon/C is to play nicely with other Linux, etc., packages, you may			
want to look at producing a 'pkg-config' file to make it easier for people			
building the other packages -- particularly but not limited to people			
building using Autotools -- to find how to refer to Saxon/C when compiling			
and linking.			
Here's what I've been faking as 'saxon-c.pc':			
<hr/>			
<pre>prefix=/usr/local/src/saxon-c/Saxonica/Saxon-HEC0.1 exec_prefix=\${prefix} libdir=\${exec_prefix} pkgincludedir=\${prefix}/Saxon-C-API</pre>			
Name: Saxon/C			
Description: Saxon/C			
Version: 0.1			
Libs: -L\${libdir} -lsaxon			
Cflags: -I\${pkgincludedir} -I/usr/lib/jvm/java-6-openjdk-amd64/include			
<hr/>			
and here's what I've put in 'configure.ac' for xmlroff:			
<hr/>			
<pre># # Checks for Saxon/C # SAXON_C_PACKAGES=saxon-c SAXON_C_REQUIRED_VERSION=0.1 AH_TEMPLATE([ENABLE_SAXON_C], [Enable support for Saxon/C XSLT 2.0 processor.]) AC_ARG_ENABLE(saxon_c,</pre>			

```
AC_HELP_STRING([--enable-saxon-c],
  [build Saxon/C XSLT processor capability (default=yes)]),
enable_saxon_c_arg="$enableval",
enable_saxon_c_arg=yes)

if test "x$enable_saxon_c_arg" != "xyes" ; then
  enable_saxon_c_arg=no
fi

enable_saxon_c=false
SAXON_C_REQUIRES=""

have_saxon_c=false

if test "x$enable_saxon_c_arg" = "xyes" ; then
  #
  # Check for Saxon/C support requirement
  #
  have_saxon_c=false

  PKG_CHECK_MODULES(SAXON_C,
    $SAXON_C_PACKAGES >= $SAXON_C_REQUIRED_VERSION,
    have_saxon_c=true,

  if $have_saxon_c; then
    enable_saxon_c=true

    AC_DEFINE(ENABLE_SAXON_C,1)
  else
    AC_DEFINE(ENABLE_SAXON_C,0)
    SAXON_C_LIBS=""
    SAXON_C_CFLAGS=""
  fi
fi

AC_SUBST(SAXON_C_ENABLED, [$enable_saxon_c])
AC_SUBST(SAXON_C_REQUIRES)
AC_SUBST(SAXON_C_LIBS)
AC_SUBST(SAXON_C_CFLAGS)
AC_SUBST(ENABLE_SAXON_C, [$enable_saxon_c])
AM_CONDITIONAL(ENABLE_SAXON_C, [$enable_saxon_c])
```

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[1] <http://www.freedesktop.org/wiki/Software/pkg-config/>

[2] <http://people.freedesktop.org/~dbn/pkg-config-guide.html>

History

#1 - 2014-11-28 17:19 - O'Neil Delpratt

- Description updated