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Subject: jan12 SSL lib problem during root compilation at scientific linux 5.3 64bit  
Posted by [Dmitry Morozov](#) on Wed, 25 Jul 2012 13:13:11 GMT

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Hello.

I'm trying to install jan12 externals to sl 5.3 64bit. It's installed at our pc farm, so i stuck with it.

The problem is I get this error during root compilation:

The following parameters are set.

System : 64bit  
C++ compiler : g++  
C compiler : gcc  
Fortran compiler : gfortran  
CXXFLAGS : -g -O0  
CFLAGS : -g -O0  
Compiler : gcc  
Fortran compiler : gfortran  
Debug : yes  
Optimization : no  
Platform : linux  
Architecture : linuxx8664gcc  
G4System : Linux-g++  
g4\_data\_files : yes  
g4\_get\_data : yes

Number of parallel

processes for build : 8

Found cmake version 2.8.2 which is older than the  
required version 2.8.6 in PATH

This version is to old

install cmake as external package

\*\*\* Package CMake is OK \*\*\*

\*\*\* Package gtest is OK \*\*\*

\*\*\* Package glpk is OK \*\*\*

\*\*\* Package gsl is OK \*\*\*

\*\*\* Package Boost is OK \*\*\*

\*\*\* Package ApMon is OK \*\*\*

\*\*\* Package ml-gsoapclient is OK \*\*\*

\*\*\* Package Pythia6 is OK \*\*\*

\*\*\* Package pythia8 is OK \*\*\*

\*\*\* Package Clhep is OK \*\*\*

\*\*\* Package Geant4-Source is OK \*\*\*

\*\*\* Package Geant4-lib is OK \*\*\*

\*\*\* Compiling root .....

\*\*\* Building ROOT with debug information

Copied rootconfig.sh .....

Configure Root .....

linuxx8664gcc

Checking for source directory ... /afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/tools/root

Configuring for linuxx8664gcc

INFO: --enable-xml: already enabled by default.

Checking for GNU Make version >= 3.80 ... ok  
Checking for C compiler ... gcc  
Checking for C++ compiler ... g++  
Checking for linker (LD) ... g++  
Checking for F77 compiler ... gfortran  
Checking for libX11 ... /usr/lib64  
Checking for X11/Xlib.h ... /usr/include  
Checking for X11/xpm.h ... /usr/include  
Checking for X11/Xft/Xft.h ... /usr/include  
Checking for X11/extensions/shape.h ... /usr/include  
Checking for libXpm ... /usr/lib64  
Checking for libXft ... /usr/lib64  
Checking for libXext ... /usr/lib64  
Checking for freetype-config ... /usr/bin/freetype-config  
Checking for libfreetype version >= 9.3.0 ... ok  
Checking whether to build included libfreetype6 ... no  
Checking for pcre-config ... /usr/bin/pcre-config  
Checking for libpcre version >= 3.9 ... ok  
Checking whether to build included libpcre ... no  
Checking for zlib.h ... /usr/include  
Checking for libz ... /usr/lib64  
Checking whether to build included zlib ... no  
Checking for lzma.h ... no  
Checking for liblzma ... no  
Checking whether to build included lzma ... yes  
Checking for GL/gl.h ... /usr/include  
Checking for libGL, or libMesaGL ... /usr/lib64  
Checking for libGLU, or libMesaGLU ... /usr/lib64  
Checking for GL/glew.h ... no  
Checking for libGLEW ... no  
Checking whether to build included GLEW ... yes  
Checking whether to build included libftgl ... yes  
Checking for occi.h ... no  
Checking for libclntsh, or oci ... no  
Checking for libocci, or oraocci10 ... no  
Checking for sql.h ... no  
Checking for libsqlod ... no  
Checking for sqlext.h ... no  
Checking for libiodbc, libodbc, or odbc32 ... no  
Checking for rfiio\_api.h ... /usr/include/shift  
Checking whether rfiio\_fchmod declared in rfiio\_api.h ... yes  
Checking for librfio, libdpm, libshift, shiftmd, or shift ... no  
Checking for rfiio\_api.h ... /usr/include/shift  
Checking whether rfiio\_fchmod declared in rfiio\_api.h ... yes  
Checking for stager\_api.h ... no  
Checking for libshift, shiftmd, or shift ... no  
Checking for gfal\_api.h ... /opt/lcg/include  
Checking for libgfal ... /opt/lcg/lib64  
Checking for ApMon.h ... /afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/tools/monalisa/include  
Checking for libapmoncpp ... /afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/tools/monalisa/lib  
Checking for fftw3.h ... no  
Checking for libfftw3, or libfftw3-3 ... no

Checking for fitsio.h ... no  
Checking for libcfitsio, or cfitsio ... no  
Checking for gvc.h ... no  
Checking for libgvc, or gvc ... no  
Checking for libgraph, or graph ... no  
Checking for libcdt, or cdt ... no  
Checking for libpathplan, or pathplan ... no  
Checking for libexpat, or expat ... no  
Checking for libgvplugin\_dot\_layout, or gvplugin\_dot\_layout ... no  
Checking for libPythia6 ... /afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/generators/lib  
Checking for pythia6\_common\_block\_address\_\_ in  
/afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/generators/lib/libPythia6.so ... no  
Checking for pythia6\_common\_block\_address\_ in  
/afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/generators/lib/libPythia6.so ... no  
Checking for pythia6\_common\_address in  
/afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/generators/lib/libPythia6.so ... ok  
Checking for Pythia.h ...  
/afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/generators/include/pythia8  
Checking for libpythia8 ... /afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/generators/lib  
Checking for dcap.h ... /opt/d-cache/dcap/include  
Checking for libdcap ... no  
Checking for chirp\_reli.h ... no  
Checking for libchirp\_client ... no  
Checking for hdf5.h ... no  
Checking for jni.h ... /usr/java/default/include  
Checking for libhdf5 ... no  
Checking for libjvm ... /usr/java/default/jre/lib/amd64/server  
Checking for dns\_sd.h ... no  
Checking for libdns\_sd ... no  
Checking for liblite-api-wrapper ... no  
Checking for gapiUI.h ... no  
Checking for libgapiUI ... no  
Checking for jpeglib.h ... /usr/include  
Checking for png.h ... /usr/include  
Checking for tiffio.h ... no  
Checking for gif\_lib.h ... no  
Checking for libjpeg ... /usr/lib64  
Checking for libtiff ... no  
Checking for libungif ... no  
Checking for libz ... /usr/lib64  
Checking for libpng ... /usr/lib64  
Checking whether to build included libAfterImage ... yes  
Checking for ldap.h ... no  
Checking for libldap ... no  
Checking for Python.h ... /usr/include/python2.4  
Checking for python2.4, libpython2.4, libpython, python, or Python ... /usr/lib64  
Checking for xml2-config ... /usr/bin/xml2-config  
Checking for libxml2 version >= 2.4.x ... ok  
Checking for XrdVersion.hh ... no  
Checking for libssl ... /usr/lib64  
Checking for libcrypto ... /usr/lib64  
Checking for openssl/bio.h ... /usr/include

Checking for openssl/blowfish.h ... /usr/include  
Checking for openssl/err.h ... /usr/include  
Checking for openssl/pem.h ... /usr/include  
Checking for openssl/rand.h ... /usr/include  
Checking for openssl/rsa.h ... /usr/include  
Checking for t\_server.h ... no  
Checking for libsrp ... no  
Checking for libgmp ... no  
Checking for libmisc ... no  
Checking for pwauth.h ... no  
Checking for krb5.h ... /usr/include  
Checking for krb5.h redirect ... /usr/include/krb5/krb5.h  
Checking for krb5\_c\_valid\_cksumtype in krb5.h ... yes  
Checking for valid\_cksumtype in krb5.h ... yes  
Checking for libk5crypto ... /usr/lib64  
Checking whether we're using MIT Kerberos ... yes  
Checking for krb5\_c\_valid\_cksumtype in /usr/lib64/libk5crypto.so ... ok  
Checking for valid\_cksumtype in /usr/lib64/libk5crypto.so ... ok  
Checking for libkrb5 ... /usr/lib64  
Checking for kinit ... /usr/kerberos/bin/kinit  
Checking for libcom\_err ... /usr/lib64  
Checking for shadow passwords ... yes  
Checking for gsl/gsl\_version.h ...  
/afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/basics/gsl/include  
Checking for GSL version >= 1.8 ... ok  
Checking for libgsl, gslML, or gsl ... /afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/basics/gsl/lib  
Checking for libgslcblas, gslcblasML, gslcblas, or cblas ...  
/afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/basics/gsl/lib  
Checking whether /afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/basics/gsl/lib/libgsl.a is  
compiled with -fPIC ... yes  
Checking whether /afs/ihep.su/user/m/morozov/sw\_afs/fairsoft/basics/gsl/lib/libgslcblas.a is  
compiled with -fPIC ... yes  
Checking whether to build libMathMore ... yes  
Checking whether to build libGenVector ... yes  
Checking whether to build libCintex ... no  
Checking whether to build libReflex ... no  
Checking whether to build libRooFit ... yes  
Checking whether to build libMinuit2 ... yes  
Checking whether to build libUnuran ... no  
Checking whether to build libGdml ... yes  
Checking whether to build libTable ... no  
Checking whether to build libTMVA ... yes  
Checking whether to build libMemStat ... yes  
Checking for Clarens support ... no  
Checking for PEAC support ... no  
Checking whether to build afdsmgrd ... no  
Checking whether to integrate experimental cling ... no  
Checking what type of dictionaries to build ... cint  
Checking whether setresuid declared in /usr/include/unistd.h ... yes  
Writing config/Makefile.config ... done  
Writing config/Makefile.comp ... done  
Writing include/RConfigure.h ... done

Writing include/RConfigOptions.h ... done  
Writing bin/root-config ... done  
Writing etc/system.rootrc ... done  
Writing etc/system.rootauthrc ... done  
Writing etc/system.rootdaemonrc ... done  
Writing etc/root.mimes ... done  
Writing etc/daemons/rootd.rc.d ... done  
Writing etc/daemons/rootd.xinetd ... done  
Writing etc/daemons/proofd.rc.d ... done  
Writing etc/daemons/proofd.xinetd ... done  
Writing main/src/proofserv.sh ... done  
Writing main/src/roots.sh ... done  
Writing bin/memprobe ... done  
Writing build/misc/root-help.el ... done  
Writing macros/html.C ... done  
Writing bin/thisroot.sh ... done  
Writing bin/thisroot.csh ... done  
Writing bin/setxrd.sh ... done  
Writing bin/setxrd.csh ... done  
Writing config.status ... done

Enabled support for asimage, astiff, builtin\_afterimage, builtin\_ftgl, builtin\_glew, builtin\_lzma, exceptions, explicitlink, gdml, genvector, gfal, krb5, mathmore, memstat, minuit2, monalisa, opengl, pythia6, pythia8, python, roofit, shadowpw, shared, soversion, ssl, tmva, x11, xft, xml.

To build ROOT type:

make

```
bin/rmkdepend -R -fcore/base/src/TROOT.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/afs/ihep.su/sw/scharm/fairsoft/tools/root/core/base/src/TROOT.cxx
g++ -g -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
core/base/src/TROOT.o -c /afs/ihep.su/sw/scharm/fairsoft/tools/root/core/base/src/TROOT.cxx
bin/rmkdepend -R -fnet/net/src/TSSLSocket.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/src/TSSLSocket.cxx
g++ -g -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
net/net/src/TSSLSocket.o -c
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/src/TSSLSocket.cxx
bin/rmkdepend -R -fhist/hist/src/TProfile2D.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TProfile2D.cxx
bin/rmkdepend -R -fhist/hist/src/TProfile3D.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TProfile3D.cxx
bin/rmkdepend -R -fhist/hist/src/TSVDUnfold.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TSVDUnfold.cxx
bin/rmkdepend -R -fhist/hist/src/TSpline.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TSpline.cxx
```

```

bin/rmkdepend -R -fhist/hist/src/TUnfold.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TUnfold.cxx
bin/rmkdepend -R -fhist/hist/src/TUnfoldSys.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TUnfoldSys.cxx
g++ -g -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
hist/hist/src/TProfile2D.o -c
/afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TProfile2D.cxx
g++ -g -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
hist/hist/src/TUnfold.o -c /afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TUnfold.cxx
g++ -g -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
hist/hist/src/TSpline.o -c /afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TSpline.cxx
g++ -g -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
hist/hist/src/TProfile3D.o -c
/afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TProfile3D.cxx
g++ -g -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
hist/hist/src/TUnfoldSys.o -c
/afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TUnfoldSys.cxx
g++ -g -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
hist/hist/src/TSVDUnfold.o -c
/afs/ihep.su/sw/scharm/fairsoft/tools/root/hist/hist/src/TSVDUnfold.cxx
/usr/include/openssl/kssl.h:140: error: expected ';' before '*' token
/usr/include/openssl/kssl.h:162: error: 'krb5_ticket_times' has not been declared
/usr/include/openssl/kssl.h:170: error: 'krb5_ticket_times' has not been declared
make: *** [net/net/src/TSSLSocket.o] Error 1
make: *** Waiting for unfinished jobs....
g++ -shared -Wl,-soname,libCore.so.5.32 -m64 -g -Wl,--no-undefined -o lib/libCore.so.5.32
core/base/src/InitGui.o core/base/src/ManualBase4.o core/base/src/Match.o
core/base/src/String.o core/base/src/Stringio.o core/base/src/TApplication.o
core/base/src/TApplicationImp.o core/base/src/TAtt3D.o core/base/src/TAttAxis.o
core/base/src/TAttBBox.o core/base/src/TAttFill.o core/base/src/TAttLine.o
core/base/src/TAttMarker.o core/base/src/TAttPad.o core/base/src/TAttText.o
core/base/src/TBase64.o core/base/src/TBenchmark.o core/base/src/TBrowser.o
core/base/src/TBrowserImp.o core/base/src/TBuffer.o core/base/src/TBuffer3D.o
core/base/src/TCanvasImp.o core/base/src/TColor.o core/base/src/TContextMenu.o
core/base/src/TContextMenuItem.o core/base/src/TControlBarImp.o core/base/src/TDate.o
core/base/src/TDirectory.o core/base/src/TEnv.o core/base/src/TError.o
core/base/src/TException.o core/base/src/TExec.o core/base/src/TFileCollection.o
core/base/src/TFileInfo.o core/base/src/TFolder.o core/base/src/TGuiFactory.o
core/base/src/TInetAddress.o core/base/src/TInspectorImp.o core/base/src/TMD5.o
core/base/src/TMacro.o core/base/src/TMathBase.o core/base/src/TMemberInspector.o
core/base/src/TMessageHandler.o core/base/src/TNamed.o core/base/src/TObjString.o
core/base/src/TObject.o core/base/src/TObjectSpy.o core/base/src/TPRegexp.o
core/base/src/TParameter.o core/base/src/TPluginManager.o core/base/src/TProcessID.o
core/base/src/TProcessUUID.o core/base/src/TQCommand.o core/base/src/TQConnection.o
core/base/src/TQObject.o core/base/src/TROOT.o core/base/src/TRef.o
core/base/src/TRefCnt.o core/base/src/TRegexp.o core/base/src/TRemoteObject.o
core/base/src/TStopwatch.o core/base/src/TStorage.o core/base/src/TString.o
core/base/src/TStringLong.o core/base/src/TStyle.o core/base/src/TSysEvtHandler.o
core/base/src/TSystem.o core/base/src/TSystemDirectory.o core/base/src/TSystemFile.o
core/base/src/TTask.o core/base/src/TTime.o core/base/src/TTimeStamp.o

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core/base/src/TTimer.o core/base/src/TUUID.o core/base/src/TUri.o core/base/src/TUrl.o
core/base/src/TVirtualFFT.o core/base/src/TVirtualGL.o core/base/src/TVirtualMonitoring.o
core/base/src/TVirtualMutex.o core/base/src/TVirtualPS.o core/base/src/TVirtualPad.o
core/base/src/TVirtualPadEditor.o core/base/src/TVirtualPadPainter.o
core/base/src/TVirtualPerfStats.o core/base/src/TVirtualViewer3D.o core/base/src/TVirtualX.o
core/cont/src/TArray.o core/cont/src/TArrayC.o core/cont/src/TArrayD.o
core/cont/src/TArrayF.o core/cont/src/TArrayI.o core/cont/src/TArrayL.o
core/cont/src/TArrayL64.o core/cont/src/TArrayS.o core/cont/src/TBits.o core/cont/src/TBtree.o
core/cont/src/TClassTable.o core/cont/src/TClonesArray.o core/cont/src/TCollection.o
core/cont/src/TExMap.o core/cont/src/THashList.o core/cont/src/THashTable.o
core/cont/src/TIterator.o core/cont/src/TList.o core/cont/src/TMap.o core/cont/src/TObjArray.o
core/cont/src/TObjectTable.o core/cont/src/TOrdCollection.o core/cont/src/TRefArray.o
core/cont/src/TRefTable.o core/cont/src/TSeqCollection.o core/cont/src/TSortedList.o
core/meta/src/TBaseClass.o core/meta/src/TCint.o core/meta/src/TClass.o
core/meta/src/TClassGenerator.o core/meta/src/TClassMenuItem.o core/meta/src/TClassRef.o
core/meta/src/TDataMember.o core/meta/src/TDataType.o core/meta/src/TDictionary.o
core/meta/src/TFunction.o core/meta/src/TGenericClassInfo.o core/meta/src/TGlobal.o
core/meta/src/TInterpreter.o core/meta/src/TIsAProxy.o core/meta/src/TMethod.o
core/meta/src/TMethodArg.o core/meta/src/TMethodCall.o core/meta/src/TRealData.o
core/meta/src/TSchemaRule.o core/meta/src/TSchemaRuleSet.o
core/meta/src/TStreamerElement.o core/meta/src/TToggle.o core/meta/src/TToggleGroup.o
core/meta/src/TVirtualStreamerInfo.o core/unix/src/TUnixSystem.o core/zip/src/ZDeflate.o
core/zip/src/ZInflate.o core/zip/src/Compression.o core/lzma/src/ZipLZMA.o
core/clib/src/Demangle.o core/clib/src/attach.o core/clib/src/detach.o
core/clib/src/getpagesize.o core/clib/src/keys.o core/clib/src/mcalloc.o core/clib/src/mfree.o
core/clib/src/mmalloc.o core/clib/src/mmmapsup.o core/clib/src/mmcheck.o
core/clib/src/mmalign.o core/clib/src/mmstats.o core/clib/src/mmtrace.o
core/clib/src/mrealloc.o core/clib/src/mvalloc.o core/clib/src/sbrksup.o core/clib/src/snprintf.o
core/clib/src/strlcat.o core/clib/src/strlcpy.o core/metautils/src/RConversionRuleParser.o
core/metautils/src/TClassEdit.o core/textinput/src/Getline.o core/textinput/src/Getline_color.o
core/textinput/src/textinput/Editor.o core/textinput/src/textinput/History.o
core/textinput/src/textinput/KeyBinding.o core/textinput/src/textinput/Range.o
core/textinput/src/textinput/SignalHandler.o core/textinput/src/textinput/StreamReader.o
core/textinput/src/textinput/StreamReaderUnix.o
core/textinput/src/textinput/StreamReaderWin.o
core/textinput/src/textinput/TerminalConfigUnix.o core/textinput/src/textinput/TerminalDisplay.o
core/textinput/src/textinput/TerminalDisplayUnix.o
core/textinput/src/textinput/TerminalDisplayWin.o core/textinput/src/textinput/TextInput.o
core/textinput/src/textinput/TextInputContext.o core/base/src/G__Base1.o
core/base/src/G__Base2.o core/base/src/G__Base3.o core/cont/src/G__Cont.o
core/meta/src/G__Meta.o core/unix/src/G__Unix.o core/zip/src/G__Zip.o
core/clib/src/G__Clib.o core/metautils/src/G__MetaUtils.o core/textinput/src/G__TextInput.o -lz
lib/liblzma.a -lpcre -lcrypt -Llib -lCint -ldl
==> lib/libCore.so done
bin/rmkdepend -R -fnet/net/src/TSSLSocket.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/src/TSSLSocket.cxx
g++ -g -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
net/net/src/TSSLSocket.o -c
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/src/TSSLSocket.cxx
/usr/include/openssl/kssl.h:140: error: expected ';' before '*' token
/usr/include/openssl/kssl.h:162: error: 'krb5_ticket_times' has not been declared

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```
/usr/include/openssl/kssl.h:170: error: 'krb5_ticket_times' has not been declared
make: *** [net/net/src/TSSLSocket.o] Error 1
**** Checking libraries in /afs/ihep.su/user/m/morozov/sw_afs/fairsoft/tools/root/lib ****
*** ERROR: root could not be created.
*** End installation of external packages with Errors***
```

So, I suppose the problem is with ssl support. The ssl version is: OpenSSL 0.9.8e-fips-rhel5 01 Jul 2008

I checked /usr/include/openssl/kssl.h and it has #include <krb5.h>, where actually this "krb5\_ticket\_times" struct is declared.

I tried to configure root itself with --disable-ssl, but it failed too here:

```
bin/rmkdepend -R -fnet/net/src/TApplicationServer.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall
-W -Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus --
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/src/TApplicationServer.cxx
g++ -O2 -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -o
net/net/src/TApplicationServer.o -c
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/src/TApplicationServer.cxx
Generating dictionary net/net/src/G__Net.cxx...
core/utils/src/rootcint_tmp -cint -f net/net/src/G__Net.cxx -c
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/NetErrors.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/RRemoteProtocol.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TAS3File.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TApplicationRemote.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TApplicationServer.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TFTP.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TFileStager.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TGSFile.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TGrid.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TGridCollection.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TGridJDL.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TGridJob.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TGridJobStatus.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TGridJobStatusList.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TGridResult.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/THTTPMessage.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TMessage.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TMonitor.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TNetFile.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TNetFileStager.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TPServerSocket.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TPSocket.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TParallelMergingFile.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TSQLColumnInfo.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TSQLMonitoring.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TSQLResult.h
```

```

/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TSQLRow.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TSQLServer.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TSQLStatement.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TSQLTableInfo.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TSecContext.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TServerSocket.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TSocket.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TUDPSocket.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/TWebFile.h
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/inc/LinkDef.h
bin/rmkdepend -R -fnet/net/src/G__Net.d -Y -w 1000 -- -pipe -m64 -Wshadow -Wall -W
-Woverloaded-virtual -fPIC -linclude -pthread -D__cplusplus -lcint/cint/lib/prec_stl -lcint/cint/stl
-l/afs/ihep.su/sw/scharm/fairsoft/tools/root/cint/cint/inc -- net/net/src/G__Net.cxx
g++ -pipe -m64 -Wshadow -Wall -W -Woverloaded-virtual -fPIC -linclude -pthread -l.
-l/afs/ihep.su/sw/scharm/fairsoft/tools/root/cint/cint/inc -o net/net/src/G__Net.o -c
net/net/src/G__Net.cxx
g++ -shared -Wl,-soname,libNet.so -m64 -O2 -Wl,--no-undefined -o lib/libNet.so
net/net/src/NetErrors.o net/net/src/TAS3File.o net/net/src/TApplicationRemote.o
net/net/src/TApplicationServer.o net/net/src/TFTP.o net/net/src/TFileStager.o
net/net/src/TGSFile.o net/net/src/TGrid.o net/net/src/TGridJDL.o net/net/src/TGridJob.o
net/net/src/TGridJobStatus.o net/net/src/TGridJobStatusList.o net/net/src/TGridResult.o
net/net/src/THTTPMessage.o net/net/src/TMessage.o net/net/src/TMonitor.o
net/net/src/TNetFile.o net/net/src/TNetFileStager.o net/net/src/TPServerSocket.o
net/net/src/TPSocket.o net/net/src/TParallelMergingFile.o net/net/src/TSQLColumnInfo.o
net/net/src/TSQLMonitoring.o net/net/src/TSQLResult.o net/net/src/TSQLRow.o
net/net/src/TSQLServer.o net/net/src/TSQLStatement.o net/net/src/TSQLTableInfo.o
net/net/src/TSecContext.o net/net/src/TServerSocket.o net/net/src/TSocket.o
net/net/src/TUDPSocket.o net/net/src/TWebFile.o net/net/src/G__Net.o -Llib -IRIO -IMathCore
-lcrypto -Llib -lCore -lCint -ldl
net/net/src/TWebFile.o: In function `TWebSocket::ReOpen()':
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/src/TWebFile.cxx:99: undefined reference to
`TSSLSocket::TSSLSocket(char const*, int, int)'
net/net/src/TWebFile.o: In function `TWebFile::GetHead()':
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/src/TWebFile.cxx:885: undefined reference to
`TSSLSocket::TSSLSocket(char const*, int, int)'
net/net/src/TWebFile.o: In function `TWebFile::GetFromWeb(char*, int, TString const&)':
/afs/ihep.su/sw/scharm/fairsoft/tools/root/net/net/src/TWebFile.cxx:576: undefined reference to
`TSSLSocket::TSSLSocket(char const*, int, int)'
collect2: ld returned 1 exit status
make: *** [lib/libNet.so] Error 1

```

which is probably natural...

Does anybody have an idea how to solve this?

Thanks.  
Dmitry