

Table of Contents

Test of CMSSW_4_1_2.....	1
Configuration.....	1
Summary of tests.....	1

Test of CMSSW_4_1_2

Tests performed between 2011/03/04 and 2011/03/07.

Configuration

- Job type: MTR3 job [↗](#).
- GT: START42_V3::All.
- CRAB: 2_7_7, stand alone (no server)

Checked both with ("dpm w/a") and without ("vanilla") A.Sartirana's dpm workaround, using the script (reference: [hn](#) [↗](#)):

```
#!/bin/bash
```

```
LOG="cmsw"
```

```
eval `scram ru -sh`  
export LD_PRELOAD=${GLOBUS_LOCATION}/lib/libglobus_gssapi_gsi_gcc64dbgpthr.so  
cmsRun -j ${LOG}.xml pset.py
```

Summary of tests

Site	SE Technology	Vanilla	DPM w/a
T2_BE_IHHE	dCache	☺	-
T2_CH_CSCS	dCache	☺	☺
T2_ES_CIEMAT	dCache	☺	☺
T2_FR_GRIF_LLRF	dpm	☺ / ☹ (*)	☺
T2_IT_Bari	Lustre+Storm	☺	☺
T2_DE_DESY	dCache(+xRootd?)	☺	☺
Overall		☺	☺

(*) On LLR, the workaround is already deployed on `polgrid1`. Where the workaround is not available (e.g. `grid36.lal.in2p3.fr` or `grid10.lal.in2p3.fr`), the jobs fail for sure with error: `send2dpm: DP002 - send error : client_establish_context: Could not find or use a credential`

Summary:

- The workaround seems to properly work and to create not issues on not-DPM sites
- **SOLVED** Strange results for LLR. `polgrid1.in2p3.fr` and `llrcream.in2p3.fr` work fine, while `grid36.lal.in2p3.fr` and `grid10.lal.in2p3.fr` segfault when the workaround is in place. The segfault is different from the previously seen one, but still it is related to Globus authentication. The `mylib` directory is loaded:

```
LD_LIBRARY_PATH=/var/spool/pbs/tmpdir/2439384.grid33.lal.in2p3.fr/CREAM752907455/CMSSW_4_1_2/lib/
```

A. Sartirana has been notified.

Show segfault error... [Hide](#)

```
Thread 3 (Thread 0x40c4a940 (LWP 32498)):  
#0 0x0000003f1f00e838 in do_sigwait () from /lib64/libpthread.so.0  
#1 0x0000003f1f00e8dd in sigwait () from /lib64/libpthread.so.0  
#2 0x00002ad8b31b5039 in globus_l_callback_thread_signal_poll (user_arg=0x0)  
    at globus_callback_threads.c:2841  
#3 0x00002ad8b31ccd5a in thread_starter (temparg=0x1d7d7ac0)
```

LSIntegration_CMSSW_4_1_2 < Main < TWiki

```
at globus_thread_pthreads.c:508
#4 0x0000003f1f00673d in start_thread () from /lib64/libpthread.so.0
#5 0x0000003f1e4d3f6d in clone () from /lib64/libc.so.6
#6 0x0000000000000000 in ?? ()
```

```
Thread 2 (Thread 0x42124940 (LWP 32499)):
#0 0x0000003f1f00aee9 in pthread_cond_wait
```

```
GLIBC_2.3.2 ()
from /lib64/libpthread.so.0
#1 0x00002ad8b31cd518 in globus_cond_wait (cv=0x2ad8b33e33e8,
mut=0x2ad8b33e33c0) at globus_thread_pthreads.c:939
#2 0x00002ad8b31b464a in globus_l_callback_thread_poll (
user_arg=0x2ad8b33e3380) at globus_callback_threads.c:2433
#3 0x00002ad8b31cdb1f in globus_l_thread_pool_thread_start (
user_arg=0x1d7db280) at globus_thread_pool.c:217
#4 0x00002ad8b31ccd5a in thread_starter (temparg=0x1d7d7ae0)
at globus_thread_pthreads.c:508
#5 0x0000003f1f00673d in start_thread () from /lib64/libpthread.so.0
#6 0x0000003f1e4d3f6d in clone () from /lib64/libc.so.6
#7 0x0000000000000000 in ?? ()
```

```
Thread 1 (Thread 0x2ad8b3b74bf0 (LWP 32497)):
```

```
#0 0x0000003f1e499fff in waitpid () from /lib64/libc.so.6
#1 0x0000003f1e43c331 in do_system () from /lib64/libc.so.6
#2 0x0000003f1e43c687 in system () from /lib64/libc.so.6
#3 0x00002ad8b0dbb2c2 in TUnixSystem::StackTrace() ()
from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/external/slc5_amd64_gcc434/lib/libCo
#4 0x00002ad8b0dbbd7c in TUnixSystem::DispatchSignals(ESignals) ()
from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/external/slc5_amd64_gcc434/lib/libCo
#5 <signal handler called>
#6 X509_get_issuer_name (a=0x0) at x509_cmp.c:120
#7 0x00002ad8b36f3a96 in X509_check_issued (issuer=0x1, subject=0x0)
at v3_purp.c:614
#8 0x00002ad8b246c327 in globus_gsi_callback_check_issued (
context=0x7ffff1c120440, cert=0x0, issuer=0x1) at globus_gsi_callback.c:583
#9 0x00002ad8b36e725c in X509_verify_cert (ctx=0x7ffff1c120440)
at x509_vfy.c:305
#10 0x00002ad8b246bff9 in globus_gsi_callback_X509_verify_cert (
context=0x7ffff1c120440, arg=0x0) at globus_gsi_callback.c:378
#11 0x00002ad8b36225e6 in ssl_verify_cert_chain (s=0x1d803590,
sk=<value optimized out>) at ssl_cert.c:525
#12 0x00002ad8b360cc8d in ssl3_get_server_certificate (s=0x1d803590)
at s3_clnt.c:903
#13 0x00002ad8b360e108 in ssl3_connect (s=0x1d803590) at s3_clnt.c:271
#14 0x00002ad8b3629f45 in ssl_ctrl (b=0x1d7fe9f0, cmd=<value optimized out>,
num=0, ptr=0x0) at bio_ssl.c:417
#15 0x00002ad8af1f2ebc in globus_i_gsi_gss_handshake (
minor_status=0x7ffff1c1207fc, context_handle=0x1d801fa0)
at globus_i_gsi_gss_utils.c:843
#16 0x00002ad8af1ed8ba in gss_init_sec_context (minor_status=0x7ffff1c1210d8,
initiator_cred_handle=0x1d7f2740, context_handle_P=0x7ffff1c122a58,
target_name=0x1d801780, mech_type=0x0, req_flags=6, time_req=0,
input_chan_bindings=0x0, input_token=0x7ffff1c121100,
actual_mech_type=0x0, output_token=0x7ffff1c121110,
ret_flags=0x7ffff1c1232bc, time_rec=0x0) at init_sec_context.c:185
#17 0x00002ad8bc739e6e in Csec_client_establish_context_GSI_pthr (
csec_funcptr=0x7ffff1c1211b0, ctx=0x7ffff1c122a40, s=134)
at Csec_plugin_GSS.c:831
#18 0x00002ad8bc71b6fb in Csec_client_establish_context_caller (
ctx=0x7ffff1c122a40, t2=134) at ../h/Csec_plugin.h:137
#19 0x00002ad8bc718cbd in Csec_client_establishContext (ctx=0x7ffff1c122a40,
s=134) at Csec_api.c:425
#20 0x00002ad8bc6b4572 in send2dpnsx (socketp=0x0,
host=0x7ffff1c1237d0 "polgrid4.in2p3.fr",
reqp=0x7ffff1c123810 "\003\016\023\001", reql=189,
user_repbufl=0x7ffff1c124340 "\001", user_repbufl2=0x0,
```

LSIntegration_CMSSW_4_1_2 < Main < TWiki

```
nbstruct=0x0) at send2nsd.c:248
#21 0x00002ad8bc6b6198 in send2dpns (socketp=0x0,
    host=0x7ffff1c1237d0 "polgrid4.in2p3.fr",
    reqp=0x7ffff1c123810 "\003\016\023\001", reql=189,
    user_repbufl=0x7ffff1c124340 "\001", user_repbuflen=57) at send2nsd.c:695
#22 0x00002ad8bc6812e2 in dpns_statx (
    path=0x1d7d1c70 "/dpm/in2p3.fr/home/cms/trivcat/store/mc/JobRobot/RelValProdTTbar/GEN-SIM-DIG
    at Cns_stat.c:185
#23 0x00002ad8bc6817b7 in dpns_stat (
    path=0x1d7d1c70 "/dpm/in2p3.fr/home/cms/trivcat/store/mc/JobRobot/RelValProdTTbar/GEN-SIM-DIG
#24 0x00002ad8bc6aed41 in rfio_HsmIf_open (
    path=0x1d7d1c70 "/dpm/in2p3.fr/home/cms/trivcat/store/mc/JobRobot/RelValProdTTbar/GEN-SIM-DIG
#25 0x00002ad8bc6ae25 in rfio_open64_ext (
    filepath=0x1d7d1bc8 "rfio:///dpm/in2p3.fr/home/cms/trivcat/store/mc/JobRobot/RelValProdTTbar/
    reqhost=0x7ffff1c1266cf "") at open64.c:209
#26 0x00002ad8bc6alc43 in rfio_open64_v2 (
    filepath=0x1d7d1bc8 "rfio:///dpm/in2p3.fr/home/cms/trivcat/store/mc/JobRobot/RelValProdTTbar/
#27 0x00002ad8bc6alb8 in rfio_open64 (
    filepath=0x1d7d1bc8 "rfio:///dpm/in2p3.fr/home/cms/trivcat/store/mc/JobRobot/RelValProdTTbar/
#28 0x00002ad8bc6571a2 in RFIFile::open(char const*, int, int) ()
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/libUtilitiesRF
#29 0x00002ad8bc6577de in RFIFile::RFIFile(std::string const&, int, int) ()
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/libUtilitiesRF
#30 0x00002ad8bc64e9f5 in RFIStorageMaker::open(std::string const&, std::string const&, int) ()
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/pluginUtilitie
#31 0x00002ad8b43b127e in StorageFactory::open(std::string const&, int) ()
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/libUtilitiesSt
#32 0x00002ad8b4351a94 in TStorageFactoryFile::TStorageFactoryFile(char const*, char const*, char
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/pluginIOPoolTF
#33 0x00002ad8b43580f9 in G__TFileAdaptorLinkDef_215_0_13(G__value*, char const*, G__param*, int)
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/pluginIOPoolTF
#34 0x00002ad8b1327bbc in Cint::G__CallFunc::Execute(void*) ()
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/external/slc5_amd64_gcc434/lib/libCi
#35 0x00002ad8b0d78841 in TCint::CallFunc_ExecInt(void*, void*) const ()
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/external/slc5_amd64_gcc434/lib/libCo
#36 0x00002ad8b0da3294 in TMethodCall::Execute(void*, long&) ()
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/external/slc5_amd64_gcc434/lib/libCo
#37 0x00002ad8b0d0e279 in TPluginHandler::ExecPlugin(int, ...) ()
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/external/slc5_amd64_gcc434/lib/libCo
#38 0x00002ad8b0a2alda in TFile::Open(char const*, char const*, char const*, int, int) ()
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/external/slc5_amd64_gcc434/lib/libRI
#39 0x00002ad8bc6004e1 in edm::RootInputFileSequence::initFile(bool) ()
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/pluginIOPoolIn
#40 0x00002ad8bc604b7f in edm::RootInputFileSequence::RootInputFileSequence(edm::ParameterSet con
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/pluginIOPoolIn
#41 0x00002ad8bc5d3212 in edm::PoolSource::PoolSource(edm::ParameterSet const&, edm::InputSourceD
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/pluginIOPoolIn
#42 0x00002ad8bc5d0bb4 in edmplugin::PluginFactory<edm::InputSource* >(edm::ParameterSet const&,
    ())
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/pluginIOPoolIn
#43 0x00002ad8af543695 in edm::InputSourceFactory::makeInputSource(edm::ParameterSet const&, edm:
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/libFWCoreFrame
#44 0x00002ad8af4e8652 in edm::makeInput(edm::ParameterSet&, edm::CommonParams const&, edm::Produ
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/libFWCoreFrame
#45 0x00002ad8af4ea6da in edm::EventProcessor::init(boost::shared_ptr<edm::ProcessDesc>&, edm::Se
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/libFWCoreFrame
#46 0x00002ad8af4f10af in edm::EventProcessor::EventProcessor(boost::shared_ptr<edm::ProcessDesc>
    from /swareas/cms/slc5_amd64_gcc434/cms/cmssw/CMSSW_4_1_2/lib/slc5_amd64_gcc434/libFWCoreFrame
#47 0x000000000040e24b in main ()
```

Update on LAL issue: after a chat with A.Sartirana, mylib64 was removed from LD_LIBRARY_PATH (those are old libs non needed anymore), and everything seems fine.

```
export LD_LIBRARY_PATH=`echo $LD_LIBRARY_PATH | sed "s=/swareas/cms/mylib64:==g" `
```

-- LeonardoSala - 07-Mar-2011

This topic: Main > LSIntegration_CMSSW_4_1_2

Topic revision: r5 - 2011-03-08 - unknown



Copyright &© 2008-2021 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

or Ideas, requests, problems regarding TWiki? use [Discourse](#) or [Send feedback](#)