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Subject: problems to install FairRootSoft

Posted by [Elisabetta Prencipe \(2\)](#) on Thu, 25 Aug 2016 15:54:36 GMT

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Dear all,

I am trying to run something in kronos. I started from scratch, meaning that I started to install external packages, then the release jan16 in my assigned area.

Following the web page instructions

[https://panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRootInstallGit#Installing\\_FairRoot](https://panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRootInstallGit#Installing_FairRoot)

I arrived at the point to configure nov15p4 tag for the FairSoft package, as indicated. After 2 new attempts, I obtain

this error message:

```
**** Checking libraries in /lustre/nyx/panda/prencipe/fairsoft_nov15p4/buildFairSoft/lib ****
*** Geant3 compiled successfully ***
*** Downloading vgm sources with subversion***
svn: E000111: Unable to connect to a repository at URL
'http://svn.code.sf.net/p/vgm/code/tags/v4-3'
svn: E000111: Error running context: Connection refused
*** Compiling VGM .....
scripts/install_vgm.sh: line 29: cd: /lustre/nyx/panda/prencipe/fairsoft_nov15p4/transport/vgm:
No such file or directory
mkdir: cannot create directory 'build_cmake': File exists
CMake Error: The source directory "/lustre/nyx/panda/prencipe/fairsoft_nov15p4/transport"
does not appear to contain CMakeLists.txt.
Specify --help for usage, or press the help button on the CMake GUI.
make: *** No rule to make target 'install'. Stop.
*** ERROR: VGM could not be created.
**** Checking libraries in /lustre/nyx/panda/prencipe/fairsoft_nov15p4/buildFairSoft/lib ****
*** End installation of external packages with Errors***
```

Can anybody help, please? What happens with vgm? is there a new FairRootSoft tag I should use, maybe? I am trying to work with the new cluster, not on my pc.

I see that the new suggested version of the FairRootSoft is mar15p6. So, which one we should use? nov15p4 or mar15p6 with the release jan16? But just in case, could you please update according the web page for the FairRoot and pandaroot installation? No matter what, I still do not get anything running here....

Regards, Elisabetta

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Subject: Re: problems to install FairRootSoft

Posted by [Stefano Spataro](#) on Thu, 25 Aug 2016 20:36:46 GMT

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svn: E000111: Unable to connect to a repository at URL  
'http://svn.code.sf.net/p/vgm/code/tags/v4-3'  
svn: E000111: Error running context: Connection refused

it seems you had no connection, or that the vgm repository was down. Try again.

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**Subject: Re: problems to install FairRootSoft**  
Posted by [Florian Uhlig](#) on Fri, 26 Aug 2016 07:48:21 GMT  
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Hi,

the problem is that the kronos machines are behind a firewall and no direct svn access is allowed.

If you are using subversion on Kronos for the first time, add at the end of `~/.subversion/servers` the following lines

Quote:

```
http-proxy-host = proxy.gsi.de  
http-proxy-port = 3128  
http-proxy-exceptions = *.gsi.de
```

This will set the correct proxy host and don't use a proxy within gsi.

Ciao

Florian

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**Subject: Re: problems to install FairRootSoft**  
Posted by [Elisabetta Prencipe \(2\)](#) on Fri, 26 Aug 2016 11:33:23 GMT  
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Hello Stefano et al,

I think it is still possible although quite improbable that since May of this year the connection is always lost or the server is down, whenever I try to install a new pandaroot release. Actually it's months I do not manage to have something running....this is weird.

With the suggestion by Florian, the situation is the following:

a) FairSoft. It finally arrives to the end of the installation, but I do not see the message that everything is ok as it is supposed to be, according to the web page:  
[https://panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRootInstallGit#Installing\\_PandaRoot](https://panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRootInstallGit#Installing_PandaRoot)

I read now:

```
make[2]: Leaving directory '/lustre/nyx/panda/principe/fairsoft_nov15p4/basics/libsodium/build'
make[1]: Leaving directory '/lustre/nyx/panda/principe/fairsoft_nov15p4/basics/libsodium/build'
*** LibSodium compiled successfully ***
**** Checking libraries in /lustre/nyx/panda/principe/fairsoft_nov15p4/buildFairSoft/lib ****
*** Downloading zeromq sources ***
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload  Total  Spent    Left  Speed
100   9 100   9 0    0   14    0  --:--:--  --:--:--  --:--:--   14
*** Unpacking zeromq-4.1.3.tar.gz .....
--E-- Cannot unpack package zeromq
```

What's the problem now with "zeroqm"?

b) FairRoot

When I try to install FairRoot to the suggested revision (v15-11c), indeed I get error as expected (clearly if a) does not happen, also b) does not happen!):

```
used as include directory in directory
/lustre/nyx/panda/principe/fairsoft_nov15p4/FairRoot-15.11c/examples/MQ/ GenericDevices
used as include directory in directory
/lustre/nyx/panda/principe/fairsoft_nov15p4/FairRoot-15.11c/examples/MQ/ GenericDevices
ZMQ_LIBRARY_SHARED (ADVANCED)
linked by target "FairMQ" in directory
/lustre/nyx/panda/principe/fairsoft_nov15p4/FairRoot-15.11c/fairmq

-- Configuring incomplete, errors occurred!
See also "/lustre/nyx/panda/principe/fairsoft_nov15p4/FairRoot-15.11c/build/CMakeFiles/CMakeOutput.log ".
See also "/lustre/nyx/panda/principe/fairsoft_nov15p4/FairRoot-15.11c/build/CMakeFiles/CMakeError.log ".
```

I am wondering if there is anybody who installed a pandaroot revision and external packages in kronos, and run successfully jobs.... to me since months it simply does not happen, following instructions at the web page:

<https://panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRootSimulation> Kronos

Simply something is missing here...I do not think I am doing something wrong, as I follow line by line the indications. Could you or anyone else please have a look, or try yourself, to reproduce the problem?

Being this, what am I supposed to do to get something installed and compiling in Kronos?

every suggestion is more than welcome!!!!

Looking forward to your reply, I thank you in advance

Elisabetta

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**Subject: Re: problems to install FairRootSoft**  
Posted by [Ralf Kliemt](#) on Fri, 26 Aug 2016 12:02:11 GMT  
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Hi Elisabetta

Kronos is to my understanding not the place to compile the whole Fairsoft. There are several versions pre-installed on the cvmfs. You "just" need to know which variables to set.

In the case you're not aware of it, Klaus documented everything for Kronos on the Wiki:

<https://panda-wiki.gsi.de/foswiki/bin/view/Computing/PandaRootSimulation> Kronos

Cheers!  
Ralf

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**Subject: Re: problems to install FairRootSoft**  
Posted by [Florian Uhlig](#) on Fri, 26 Aug 2016 12:07:34 GMT  
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Hi Elisabetta,

the problem is your version of FairSoft nov15p4. As you can see at the release page at <https://github.com/FairRootGroup/FairSoft/releases> the latest patch release of nov15 is nov15p6 which fixes the problem with the zeromq download and some other minor problems.

Ciao

Florian

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**Subject: Re: problems to install FairRootSoft**  
Posted by [Elisabetta Prencipe \(2\)](#) on Fri, 26 Aug 2016 12:20:43 GMT  
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Hello Florian and Ralph,

thank you for your quick answers. So, as well as I understand, I am not allowed to install my own version of FairSoft or FairRoot, in Kronos, but only using those revisions which are already installed under /cvmfs/fairrot.gsi.de. I can just install myself one pandaroot revision of my "taste", and it should work. Am I correct? If yes, then I just set up the following:

```
SIMPATH = /cvmfs/fairroot.gsi.de/fairsoft/nov15p6_root5/  
FAIRROOTPATH = /cvmfs/fairroot.gsi.de/fairroot/v-15.11c_fairsoft-nov15p1_root5/
```

for the release jan16. Could you please confirm that it is correct?

And now comes the question: I need to finish to run my analysis macro on some dpm old pid files, migrated from prometheus to kronos, generated in the old pandaroot release oct14. Could you please suggest for this old release which version of FairSoft and FairRoot should I set up SIMPATH and FAIRROOTPATH to?

Thanks in advance for your help,  
Elisabetta

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Subject: Re: problems to install FairRootSoft  
Posted by [Stefano Spataro](#) on Fri, 26 Aug 2016 20:56:28 GMT  
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oct14 was linked to apr13 FairSoft release, with the old installation scheme.

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