
Subject: New External Packages July 09

Posted by [Mohammad Al-Turany](#) on Thu, 09 Jul 2009 14:34:39 GMT

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Hallo,

The new external packages are now available (see <http://fairroot.gsi.de>):

Packages:

ROOT 5.24
Geant4 4.9.2.p01
Geant3.21+vmc. (r245)
VGM 3.02
Geant4 VMC (2.6)
CLHEP 2.0.4.2
ApMon -Application Monitoring API for C++ (v. 2.2.6)
Cmake 2.6.3
GNU Scientific Library (1.12)
PLUTO (v.412)
Pythia6
Boost-Jam (3.1.17)
Boost (1.39)

To download it:

From SVN: `svn co https://subversion.gsi.de/fairroot/fairsoft/release/july09 fairsoft`

tar file: http://fairroot.gsi.de/download/july09/fairsoft_july09.tar.gz

new Features:

CUDA interface and example is added to Fairbase

VGM is now build with cmake

improved installation scripts

tested on:

Mac OS X:	10.5.7
SUSE :	10.3, 11, 11.1
Fedora Core:	8, 9
Scientific Linux	5.1
Debian:	Etch, Lenny
Ubuntu:	8.10, 9.04

P.S:

For those who already used the svn version of this package, you where using the trunk (<https://subversion.gsi.de/fairroot/fairsoft/trunk>) either you make sure that you use the released version (`svn update -r 5991`) or you make a switch (`svn switch https://subversion.gsi.de/fairroot/fairsoft/release/july09 .`)

On the GSI cluster:

Debian Sarge is not supported anymore

GSI users please use lxetch32.gsi.de for logon

Set your SIMPATH to /misc/cbmsoft/Etch32/jul09/fairsoft (or /misc/cbmsoft/Etch64/jul09/fairsoft if you use 64 bit machines).

regards

Mohammad and Florian

Subject: Re: New External Packages July 09
Posted by [donghee](#) on Wed, 05 Aug 2009 08:39:32 GMT
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Dear Panda-fairsoft developers

New external packages july 09 couldn't compile under Scientific Linux CERN SLC release 4.4 (Beryllium) with 32bit.

An error occurred during cmake compilation.

Probably SLC4 with 64bit seems to be fine, I have tested it at CERN farm.

Best regards,
Donghee

Subject: Re: New External Packages July 09
Posted by [StefanoSpataro](#) on Wed, 05 Aug 2009 08:42:08 GMT
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I have tried with SL 4.6 32bit and they have compiled.
Which error do you have?

Subject: Re: New External Packages July 09
Posted by [donghee](#) on Wed, 05 Aug 2009 10:08:07 GMT
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Dear stepano,

I couldn't catch more detail error message due to automatical closing the login.
cmake part has some problem in this case, trying OS version is the SLC4.4 Beryllium).
I will try once again to get whole message with debug mode.

Ciao,
Donghee

Quote:

The build process for the external packages for the FairRoot Project was started
at 050809_115326

patch found in PATH

wget found in PATH

Subversion client found in PATH

*** Compiling the external packages with the GCC compiler

*** Building the libraries with debug information

The following parameters are set.

System : 32bit

C++ compiler : g++

C compiler : gcc

Fortran compiler : g77

CXXFLAGS : -g -O0

CFLAGS : -g -O0

Compiler : gcc

Debug : yes

Optimization : no

Platform : linux

Architecture : linux

G4System : Linux-g++

g4_data_files : yes

g4_get_data : yes

Number of parallel

processes for build : 2

cmake not found in PATH

install cmake as external package

*** Compiling CMake

*** Unpacking cmake-2.6.3.tar.gz

*** ERROR: CMake could not be created.

Subject: Re: New External Packages July 09
Posted by [donghee](#) on Wed, 05 Aug 2009 10:16:56 GMT
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Dear stefano,

find the output error message in attached file.
During cmake installation, some problem occurred.

Ciao,
Donghee

File Attachments

1) [error_message_fairsoft.txt](#), downloaded 391 times

Subject: Re: New External Packages July 09
Posted by [Florian Uhlig](#) on Fri, 07 Aug 2009 10:14:21 GMT
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Hi

Maybe these link can help you. For me it looks like a problem with the OS.

<http://www.cmake.org/pipermail/cmake/2009-January/026269.html>

Ciao

Florian

Subject: Re: New External Packages July 09
Posted by [Anonymous Poster](#) on Fri, 14 Aug 2009 10:43:32 GMT
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Hello Mohammad and Florian,

when I tried to run the installation script I have observed the following error message:

```
scripts/set_compiler.sh: line 32: [: .: integer expression expected
Could not extract the version of gfortran
Stop script at this point
```

Looking in the set_compiler.sh script I found that among other issues it makes an analysis of the output text of the gfortran -v command. The problem is that I by default use the ru_RU.utf-8 encoding and the output looks a little bit different of what is expected.

To avoid in the future such an issue I would suggest to include in the text of the set_compiler.sh script the following lines:

```
default_lang=$(echo $LANG)
LANG=en_EN.utf-8
in the beginning (to set the needed encoding)
```

export LANG=\${default_lang}
at the end (to restore the default encoding)

I checked this correction - it works at least on my computer.

With the best regards,

Andrey Sokolov

Subject: Re: New External Packages July 09
Posted by [Mohammad Al-Turany](#) on Fri, 18 Dec 2009 08:28:59 GMT
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Hi Andrei,

it took too long, but now it is in the fairsoft svn, and will be available in the next release.

Thanks.

Mohammad
