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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](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

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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

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Subject: Re: New External Packages July 09  
Posted by [Stefano Spataro](#) 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?

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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.

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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

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### File Attachments

1) [error\\_message\\_fairsoft.txt](#), downloaded 351 times

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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

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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

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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

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