Subject: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Fri, 28 Aug 2015 10:47:43 GMT
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Dear all:

I have prepared a version of R3BRoot to be used also with ROOT6. It runs fine and backwards compatibility with ROOT5 was checked, but only in my Ubuntu 14.04. So, volunteers who want to check also in other platforms (like Mac) before submissions, please let me know.

On the other hand, I have seen that the new ROOT6 interpreter doesn't like the r3bsim.C-r3ball.C style for configuration and running macros (function calls, loading libraries, TMap...). So, I wrote a new single macro to run the simulation (here attached), but I don't know whether or not it is worthy to keep the current style... Please, let me know your feeling too.

Greetings,

Pablo

File Attachments
1) runsim.C, downloaded 810 times

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Fri, 28 Aug 2015 11:06:19 GMT
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Dear Pablo,

I volunteer to check your code on OS X. For that, please push it to a new branch of your forked repository on GitHub. Here is once more the link to documentation:
https://github.com/AnarManafov/GitWorkflow/blob/master/GitWorkflow.markd own

Concerning the r3bsim.C - please do the same. Then I will be able to checkout your branch and to test it.

Best regards,
Dima

Subject: Re: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Mon, 31 Aug 2015 09:14:14 GMT
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Hi,

Please get the code from the git branch
https://github.com/PabloCabanelas/R3BRoot/tree/R3BRoot_ROOT6_dev

New running macro runsim.C is under macros/r3b/califa

Cheers

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Mon, 31 Aug 2015 11:40:41 GMT
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Hi Pablo,

It looks like your branch is completely diverged from dev branch of main repository. GitHub shows that all files have been changed. It will be impossible to make a merge later.
Have you performed the steps "Create a feature branch" and "Sync your feature branch" which are described in the workflow documentation?

This point is essential:

...
git checkout -b featureXXX mainrepo/dev
...

Feature branch is created from current dev of the main repository. Then you can add modified files and commit them.

Cheers,
Dima

Subject: Re: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Mon, 31 Aug 2015 12:20:57 GMT
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Hi,

I got the point. I tried the steps you meant with another branch, but push that branch from scratch. I will let you know once the thing is ready.

Thanks

Subject: Re: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Tue, 01 Sep 2015 11:17:54 GMT
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Hi,

I guess it should be better now with this new feature branch:

https://github.com/PabloCabanelas/R3BRoot/tree/root6_test

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Tue, 01 Sep 2015 11:30:06 GMT
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Hi Pablo,

looks much better. I have only noticed two files in "neuland" which are reverting this commit from Jan Mayer:
https://github.com/R3BRootGroup/R3BRoot/commit/42f919cf44974842ac8af4b7b4ff62d4ff06b0b3
Please have a look and possibly commit original versions.

I will now test your branch with both ROOT 6 and 5 and let you know.

Cheers,
Dima

Subject: Re: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Tue, 01 Sep 2015 12:19:37 GMT
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Done!

Cheers

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Wed, 02 Sep 2015 09:56:02 GMT
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Hi Pablo,

The compilation on Mac OS X 10.10.5 with clang is successful. I will test now simulation and analysis.

Again the same issue with reverted commits. Now it is main CMakeLists.txt, in first I have added directory tcal, in second: adjustment of LIBDIR when compiling with Xcode.

https://github.com/R3BRootGroup/R3BRoot/commit/4c00a380f4a9e4a705bb6ede2180255f1565c58f
https://github.com/R3BRootGroup/R3BRoot/commit/90b0848b0b94a7e6319a691b3ad95023146d42f2

Please apply them also.

Cheers,
Dima

Subject: Re: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Wed, 02 Sep 2015 11:06:07 GMT
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Hi Dima,

Sorry for the mistake; I thought I've done already but obviously I missed something... Now it is.

Please let me know if you can run the simulation with r3bsim.C-r3ball.C style without major problems.

Thanks again!

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Wed, 02 Sep 2015 12:31:01 GMT
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I have modified the r3ball.C and r3bsim.C in order that the scheme works for both ROOT 5 and 6. Changes are merged. Please rebase your feature branch from dev branch of main repository and push your branch to the origin.
If you volunteer, you could apply the changes for the rest of r3bsim.C files.
The only drawback, that the path to r3ball.C macro is relative. So, for example in case you work with macros/r3b/califa/r3bsim.C, you need to use #include "../r3ball.C"

Subject: Re: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Thu, 03 Sep 2015 07:33:27 GMT
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Ok, thanks. I can do it.

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Thu, 03 Sep 2015 08:45:29 GMT
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Analysis works fine, besides some minor changes I had to do with literal constants. Please let me know when you are ready, and we will merge your branch with dev of main repository.

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Tue, 08 Sep 2015 13:33:25 GMT
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Hi Pablo,

are you ready to merge your branch with main dev?

Cheers,

Dima

Subject: Re: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Wed, 09 Sep 2015 06:10:14 GMT
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Hi Dima,

I can push it today. There were too many obsolete macros in califa subdir...

Subject: Re: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Wed, 09 Sep 2015 08:31:27 GMT
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Hi again,

I am done with subdir macros/r3b/califa. I have prepared and checked all macros there in root6. Changes are already push to my branch (root6_test)

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Wed, 09 Sep 2015 13:56:43 GMT
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Hi Pablo,
Please proceed as described in the section "Request to pull" of the workflow documentation.
Squashing of your commits and pull request on GitHub are the last things you need to do before merge.
Thanks,
Dima

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Thu, 10 Sep 2015 07:57:31 GMT
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1. Please, squash your commits into 1, using

git fetch mainrepo
git rebase -i mainrepo/dev
(pick for the first commit, for all the following - squash option)
git push -f origin

2. When creating pull request, chose the R3BRootGroup/R3BRoot:dev branch as the base.

Best regards,

Dima

Subject: Re: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Thu, 10 Sep 2015 08:30:05 GMT
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I didn't chose the right base branch before, sorry; I guess I did it properly now

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Thu, 10 Sep 2015 08:35:29 GMT
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In this graph you can see that your commits are not squashed (not meldet into one single commit).
https://github.com/R3BRootGroup/R3BRoot/network
Here is how to do it:

Dmytro Kresan wrote on Thu, 10 September 2015 09:571. Please, squash your commits into 1, using

git fetch mainrepo
git rebase -i mainrepo/dev
(pick for the first commit, for all the following - squash option)
git push -f origin

2. When creating pull request, chose the R3BRootGroup/R3BRoot:dev branch as the base.

Best regards,
Dima

Subject: Re: R3BRoot with ROOT6
Posted by Dmytro Kresan on Thu, 10 Sep 2015 11:18:40 GMT
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Now it has worked. Thanks! I have merged your branch into R3BRoot:dev

To finish with this github story, please have a look at the network graph:
https://github.com/R3BRootGroup/R3BRoot/network

you have some branches detached. I recommend you to delete your repository completely, then to fork mainrepo again and to proceed with sections "Prepare the environment" and for the future developments: "Create a feature branch" and so on...

Best regards,
Dima

Subject: Re: R3BRoot with ROOT6
Posted by Pablo Cabanelas on Thu, 10 Sep 2015 11:36:55 GMT
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Ok, I got it! I will do that.

Thanks to you!

Cheers!