

Weekly Update

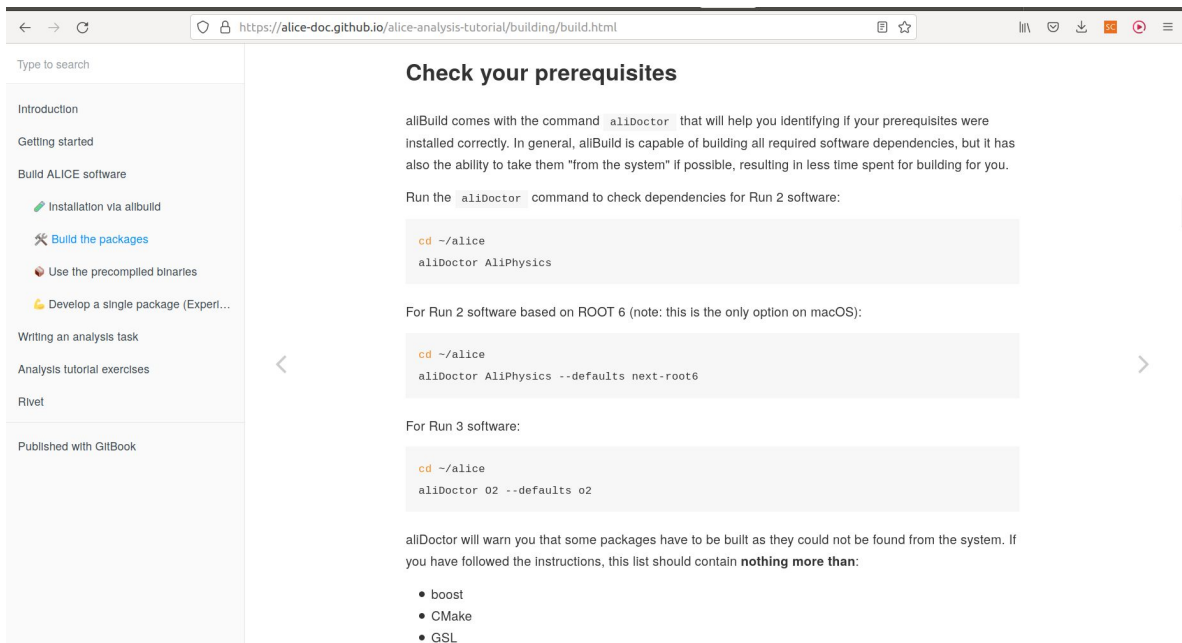
06/08

Objective

- Install aliphysics

Building

- Based on the old



The screenshot shows a web browser at the URL <https://alice-doc.github.io/alice-analysis-tutorial/building/build.html>. The left sidebar contains a navigation menu with the following items: 'Type to search', 'Introduction', 'Getting started', 'Build ALICE software' (which is expanded to show 'Installation via alibuild', 'Build the packages' (highlighted in blue), 'Use the precompiled binaries', and 'Develop a single package (Experi...)', 'Writing an analysis task', 'Analysis tutorial exercises', 'Rivet', and 'Published with GitBook'. The main content area is titled 'Check your prerequisites'. It explains that `aliBuild` comes with the `aliDoctor` command to check prerequisites. It instructs users to run `aliDoctor` in the `~/alice` directory. Two code blocks are provided: one for Run 2 software based on ROOT 6 (`aliDoctor AliPhysics`) and another for Run 3 software (`aliDoctor 02 --defaults o2`). The text notes that `aliDoctor` will warn if packages cannot be found from the system. A list of prerequisites is provided:

- boost
- CMake
- GSL

Check your prerequisites

`aliBuild` comes with the command `aliDoctor` that will help you identifying if your prerequisites were installed correctly. In general, `aliBuild` is capable of building all required software dependencies, but it has also the ability to take them "from the system" if possible, resulting in less time spent for building for you.

Run the `aliDoctor` command to check dependencies for Run 2 software:

```
cd ~/alice
aliDoctor AliPhysics
```

For Run 2 software based on ROOT 6 (note: this is the only option on macOS):

```
cd ~/alice
aliDoctor AliPhysics --defaults next-root6
```

For Run 3 software:

```
cd ~/alice
aliDoctor 02 --defaults o2
```

`aliDoctor` will warn you that some packages have to be built as they could not be found from the system. If you have followed the instructions, this list should contain **nothing more than**:

- boost
- CMake
- GSL

Building

- Based on the old and the new tutorial

The screenshot shows the Alice analysis tutorial website. The browser address bar displays `https://alice-doc.github.io/alice-analysis-tutorial/building/build.html`. On the left, a sidebar contains a search bar and a list of navigation links: Introduction, Getting started, Build ALICE software, Installation via alibuild, Build the packages (highlighted in blue), Use the precompiled binaries, Develop a single package (Experi...), Writing an analysis task, Analysis tutorial exercises, Rivet, and Published with GitHub. The main content area is titled 'Check your prerequisites' and contains text about the `aliDoctor` command and its usage for different software versions.

The screenshot shows the GitHub repository page for `alishw`. The browser address bar displays `https://alishw.github.io/git-tutorial/`. The left sidebar lists the repository structure: ALICE SW (highlighted in blue), CI, AliPhysics, GIT, Basic Tutorial, Advanced Tutorial, and Build Infrastructure. The main content area is titled 'I have participated to the GitHub test' and contains text about participating to the GitHub test and cloning the repository. It includes two code blocks for cloning the repository and a section for contributing to ALICE software.

I have participated to the GitHub test

If you have participated to the GitHub test and you want to sync with the current official AliRoot/AliPhysics and alidist repositories from upstream, you can now follow this procedure which might save you some build time.

Assuming you have your GitHub test installation under `~/alice`, destroy your current recipes, AliRoot and AliPhysics directories:

```
cd ~/alice
rm -rf alidist/ AliRoot/ AliPhysics/
```

Then clone AliRoot and AliPhysics from GitHub:

```
cd ~/alice
git clone --origin upstream https://github.com/alishw/AliRoot
git clone --origin upstream https://github.com/alishw/AliPhysics
```

If you use alibuild you can skip the two clones and do directly:

```
cd ~/alice
alibuild init AliRoot,AliPhysics
```

You may now [setup your repositories](#) and [update your fork with changes from the master](#), and you will be ready to build, and create pull requests.

Contribute to ALICE software

Now if you want to contribute to AliPhysics move to the clone directory and tell Git about the existence of your own fork, created in a previous step.





So far, faced a lot of issues (log text)

```


Open  log  Save  ~/Downloads
from /home/jdrl96/alice/sw/SOURCES/ROOT/v6-24-02/v6-24-02/core/imt/src/TThreadExecutor.cxx:1:
/home/jdrl96/root3/root_build/include/TString.h:115:13: error: expected type-specifier
operator std::string_view() const { return std::string_view(Data(),fExtent); }
      ^
/home/jdrl96/root3/root_build/include/TString.h:280:32: error: 'string_view' in namespace 'std' does not name a type
explicit TString(const std::string_view &sub);
                        ^
/home/jdrl96/root3/root_build/include/TString.h:317:37: error: 'string_view' in namespace 'std' does not name a type
TString &operator=(const std::string_view &s);
                        ^
/home/jdrl96/root3/root_build/include/TString.h:444:9: error: 'string_view' in namespace 'std' does not name a type
std::string_view View() const { return std::string_view(GetPointer(),Length()); }
      ^
In file included from /home/jdrl96/root3/root_build/include/TCollection.h:29:0,
                 from /home/jdrl96/root3/root_build/include/TSeqCollection.h:25,
                 from /home/jdrl96/root3/root_build/include/TList.h:25,
                 from /home/jdrl96/root3/root_build/include/ROOT/TExecutorCRTP.hxx:17,
                 from /home/jdrl96/alice/sw/SOURCES/ROOT/v6-24-02/v6-24-02/core/imt/inc/ROOT/TThreadExecutor.hxx:25,
                 from /home/jdrl96/alice/sw/SOURCES/ROOT/v6-24-02/v6-24-02/core/imt/src/TThreadExecutor.cxx:1:
/home/jdrl96/root3/root_build/include/TString.h:839:53: error: 'string_view' in namespace 'std' does not name a type
inline Bool_t operator==(const char *s1, const std::string_view &s2)
                        ^
/home/jdrl96/root3/root_build/include/TString.h:839:68: error: 'Bool_t operator==(const char*, const int&)' must have an argument of class or enumerated type
inline Bool_t operator==(const char *s1, const std::string_view &s2)
                        ^
/home/jdrl96/root3/root_build/include/TString.h:844:37: error: 'string_view' in namespace 'std' does not name a type
inline Bool_t operator==(const std::string_view &s1, const char *s2)
                        ^
/home/jdrl96/root3/root_build/include/TString.h:844:68: error: 'Bool_t operator==(const int&, const char*)' must have an argument of class or enumerated type
inline Bool_t operator==(const std::string_view &s1, const char *s2)
                        ^
/home/jdrl96/root3/root_build/include/TString.h:857:37: error: 'string_view' in namespace 'std' does not name a type
std::string printValue(const std::string_view* val);
      ^
core/imt/CMakeFiles/Imt.dir/build.make:120: recipe for target 'core/imt/CMakeFiles/Imt.dir/src/RTaskArena.cxx.o' failed
make[2]: *** [core/imt/CMakeFiles/Imt.dir/src/RTaskArena.cxx.o] Error 1
core/imt/CMakeFiles/Imt.dir/build.make:94: recipe for target 'core/imt/CMakeFiles/Imt.dir/src/TExecutor.cxx.o' failed
make[2]: *** [core/imt/CMakeFiles/Imt.dir/src/TExecutor.cxx.o] Error 1
core/imt/CMakeFiles/Imt.dir/build.make:146: recipe for target 'core/imt/CMakeFiles/Imt.dir/src/TThreadExecutor.cxx.o' failed
make[2]: *** [core/imt/CMakeFiles/Imt.dir/src/TThreadExecutor.cxx.o] Error 1
CMakeFiles/Makefile2:26897: recipe for target 'core/imt/CMakeFiles/Imt.dir/all' failed
make[1]: *** [core/imt/CMakeFiles/Imt.dir/all] Error 2
Makefile:170: recipe for target 'all' failed
make: *** [all] Error 2
Plain Text  Tab Width: 8  Ln 8558, Col 80  INS

```

Alice Talk Post



Building Aliphysics and AliRoot

 Jose David Romo Lopez | jromolop 2d

Hi,

I am trying to build Aliphysics, but the package KFPARTICLE@v1.1-3 is returning the next error message:

```
==> Building KFPARTICLE@v1.1-3
==> KFPARTICLE is being built (use --debug for full output): failed
ERROR: Error while executing /home/jdr196/alice2/sw/SPECS/ubuntu1804_x86-64/KFPARTICLE/v1.1-3-2/build.sh on
'jdr196-IdeaPad-S540'.
ERROR: Log can be found in /home/jdr196/alice2/sw/BUILD/KFPARTICLE-latest/log
ERROR: Please upload it to CERNBox/Dropbox if you intend to request support.
ERROR: Build directory is /home/jdr196/alice2/sw/BUILD/KFPARTICLE-latest/KFPARTICLE.
```



An the lines of the log are the next:

```
[ 4%] Generating G_KFPARTICLE.cxx, G_KFPARTICLE.h
Error: Too many '}' tmpfile:5:
Error: Missing closing brace for the block opened around line 3.
Error: Unexpected end of file (G_exec_statement()) tmpfile:6:
Error: cannot open file "gnu/stubs.h" /usr/include/features.h:449:
Error: Too many '}' tmpfile:25:
Error: Missing closing brace for the block opened around line 23.
Error: Unexpected end of file (G_exec_statement()) tmpfile:26:
Error: Too many '}' tmpfile:30:
Error: Missing closing brace for the block opened around line 28.
Error: Unexpected end of file (G_exec_statement()) tmpfile:31:
Error: Too many '}' tmpfile:35:
Error: Missing closing brace for the block opened around line 33.
Error: Unexpected end of file (G_exec_statement()) tmpfile:36:
Error: Too many '}' tmpfile:40:
Error: Missing closing brace for the block opened around line 38.
Error: Unexpected end of file (G_exec_statement()) tmpfile:41:
```

Aug 3

1 / 7
Aug 4

7h ago



<https://alice-talk.web.cern.ch/t/building-aliphysics-and-alirooot/1050>

e-group

- Suscribed to mailing lists, however still waiting for confirmation.

European Laboratory for Particle Physics

Report an [error](#) | Suggest new [functionality](#)

Jose David ROMO LOPEZ | Group Memberships: 52 | [Logout](#)

e-groups

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Conclusions

- aliphysics is being installed (quite literally)