

Instructions for eic-smear development

Barak Schmookler

Step1: clone the repository and create a new branch

The eic-smear software can be found here:

<https://github.com/eic/eic-smear>.

Contact me if you need to be added as a developer.

- **git clone git@github.com:eic/eic-smear.git**
 - **git checkout -b new_branch_name**

'new_branch_name' can be any name you choose

Step 2: create directory to install files

- **mkdir \$HOME/install**
- **setenv MYINSTALL \$HOME/install**

I choose to create a folder in my home directory to keep the files. You can create/choose a different directory.

I also am working in a C Shell. Some command syntax will differ in the bash shell.

Step 3: build eic-smear

Working in the eic-smear folder
that you cloned from github...

- **mkdir build**
- **cd build**
- **cmake ../ -DCMAKE_INSTALL_PREFIX=\$MYINSTALL**
- **make**
- **make install**

Step 4: now that eic-smear is built and installed, make sure this local eic-smear version is used for testing

- **setenv PATH `{MYINSTALL}/bin:$PATH`**
- **setenv LD_LIBRARY_PATH `{MYINSTALL}/lib:{MYINSTALL}/lib64:$LD_LIBRARY_PATH`**
 - **setenv ROOT_INCLUDE_PATH `{MYINSTALL}/include:$ROOT_INCLUDE_PATH`**

Step 5: after testing code changes, upload files to github

In the command below, **file_to_add** is the file you have modified. If you modify multiple file, do additional **git add file_to_commit** commands for each file.

- **git add file_to_add**
- **git commit -m "Write a commit message"**
- **git push**

Last step: on the eic-smear github webpage, make a pull request (PR) to get your code changes into the main branch.