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Testing DUNE at CERN Neutrino Cluster

Where DUNETPC is installed

DUNE [versions](#) are located at /mnt/nas00/software/dune-vXX_YY_ZZ (current release is : vXX_YY_ZZ = v05_14_01)

DUNETPC repository [DUNETPC repository](#)

Setting up your environment (manually)

- Set up the Unix Product Support (UPS) [for DUNETPC](#):
 - ◆ **source /mnt/nas00/software/dune-vXX_YY_ZZ/setup**
- Setup your working space by making a directory
 - ◆ **mkdir DuneSwTutorialTest**
 - ◆ **cd DuneSwTutorialTest/**
- Now set up the basic tools and variables that are needed:
 - ◆ **setup mrb**
 - ◆ **setup git**
 - ◆ **setup gitflow**
 - ◆ **export MRB_PROJECT=larsoft**
- At this point, we need to make a directory for this dunetpc release (release version called XX_YY_ZZ here, replace with the version you want - see table below):
 - ◆ **mkdir larsoft_vXX_YY_ZZ**
 - ◆ **cd larsoft_vXX_YY_ZZ/**
- Create a new installation of dunetpc [\(building development area\)](#) specifying version and qualifiers
 - ◆ **mrb newDev -v vXX_YY_ZZ -q e9:prof**
- **IMPORTANT** the step above generates a setup that you must type (now and whenever you log in):
 - ◆ **source localProducts_larsoft_vXX_YY_ZZ_e9_prof/setup**
- You will now see a directory called srcs (sources - where the code is kept). Move to this directory and check out the code packages you want
 - ◆ **cd srcs/**
 - ◆ **mrb g dunetpc**
 - ◆ **mrb g larsim**
- Build your release and tell larsoft to use your locally built libraries:
 - ◆ **mrbsetenv**
 - ◆ **mrb i**
 - ◆ **mrbslp**

Every time you login (manually)

Every user that has made a successful working space of DuneSwTutorialTest (according to the previous step) needs to do the following:

- **source /mnt/nas00/software/dune-vXX_YY_ZZ/setup**
- **source localProducts_larsoft_vXX_YY_ZZ_e9_prof/setup** (that was created from DuneSwTutorialTest)
- **setup git**
- **setup gitflow**
- **setup mrb**
- **mrbslp**

Setting up older versions

- Set up the UPS [↗](#) for DUNE [↗](#):
 - ◆ **source /path/to/DUNE/setup**
- Setup your working space by making a directory
 - ◆ **mkdir DuneSwTutorialTest**
 - ◆ **cd DuneSwTutorialTest/**
- Now set up the basic tools and variables that are needed:
 - ◆ **setup git**
 - ◆ **setup gitflow**
 - ◆ **setup mrb**
 - ◆ **export MRB_PROJECT=larsoft**
- At this point, we need to make a directory for this larsoft release (release version called XX_YY_ZZ here, replace with the version you want - see table below):
 - ◆ **mkdir larsoft_vXX_YY_ZZ**
 - ◆ **cd larsoft_vXX_YY_ZZ/**
- Create a new installation of LArSoft (building development area) specifying version and qualifiers
 - ◆ **mrb newDev -v vXX_YY_ZZ -q e9:prof**
- **IMPORTANT** the step above generates a setup that you must type (now and whenever you log in):

source localProducts_larsoft_vXX_YY_ZZ_e9_prof/setup

- You will now see a directory called srcs (sources - where the code is kept). Move to this directory and check out the code packages you want
 - ◆ **cd srcs/**
 - ◆ **mrb g -t vXX_YY_ZZ dunetpc**
- Build your release and tell larsoft to use your locally built libraries:
 - ◆ **cd dunetpc/**
 - ◆ **mrbsetenv**
 - ◆ **mrb i**
 - ◆ **cd ..**
 - ◆ **mrbslp**

Setting up your environment (using script)

- Download the dune_sw_neutplatform.sh script
- and execute it : source dune_sw_neutplatform.sh

Every time you login (using script)

* Download the freshlogin_dune_sw_neutplatform.sh script

- and execute it : source freshlogin_dune_sw_neutplatform.sh

Every time you login (manually)

DUNE-centric Guide to Using LArSoft [in git/mrb world](#)

The suggested link [in git/mrb world](#) is a quick guide to the things you, a member of DUNE, will need to do in order to run and develop applications in LArSoft.

more general instructions/guidance

Follow this link [in git/mrb world](#) for more general instructions/guidance.

Getting Started Examples [in git/mrb world](#) with dunetpc.

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Topic revision: r12 - 2017-02-10 - unknown



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