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**Title: Developer Guide for installing Quest on Ubuntu**

**Date: October 19th, 2017**

**OS: Ubuntu 16.10**

**Setup:**

I will be doing this on a virtual machine, if you don’t know how to setup a virtual machine then go look at my document on how to setup one. Go to <https://www.jetbrains.com/pycharm/> and install PyCharm there is a free community version that you can install. Do not import any settings when installing, and make sure that you click on having a desktop icon. This will elevate having to use the terminal to run PyCharm. Let the PyCharm application to restart and then do nothing until the next steps have been finished.

**Part 1 :**

Open up a terminal.

* Type: sudo apt-get wget
* Type: sudo apt-get git
* Type: wget <https://repo.continuum.io/miniconda/Miniconda3-latest-Linux-x86_64.sh>
* Type: chmod 777 Miniconda3-latest-Linux-x86\_64.sh
* Type: ./Miniconda3-latest\_linux-x86\_64.sh
* Type: cd ~/Documents
* Type: git clone <https://public.git.erdc.dren.mil/computational-analysis-and-mechanics/quest.git>
  + If the above doesn’t work the try the following commands.
  + Type: git config --global http.sslVerify “false”
* Type: conda env create –f py3\_conda\_environment.yml
* Type: source activate quest
* Type: conda install –c conda-forge ipython
* Type: conda install –c ioam param

**Part 2:**

* Now go to PyCharm and open the quest project at the parent directory “quest”. Go under File in the ribbon and then proceed to click on the settings option. A window will open up, click on “Project Quest”, click on “Project Interpreter”, lastly click on the dropdown arrow and select 3.#.# (~/miniconda3/envs/quest/bin/python).

**Overview:**

We have finally reached the point where you can work with the Quest source code from within PyCharm. This IDE allows you to work with git, just google search how if you can’t figure it out.