

This is a recompilation of initial Shantenu's emails :

Hi George,

A useful “reference” for HPC Hyperparameter Optimization:

<https://www.sciencedaily.com/releases/2017/11/171129131352.htm>

And please see paper: <https://dl.acm.org/citation.cfm?doid=3146347.3146355>

More on other matters soon.

As discussed:

Here are the three applications (at a minimum) that I suggested you write to get familiar with EnTK:

- 128 tasks concurrently, where each task is 1 core
- 8 tasks where each task is 16 cores
- 16 concurrent batches of 8 tasks (each of 1 core), but where in each batch each task runs sequentially, i.e., one after the other.

(The duration of the tasks can be arbitrary short).

Please start on a machine of your liking but please do run eventually on an XSEDE supercomputer.

Please do consult:

<https://radicalentk.readthedocs.io/en/latest/>

Best,
Shantenu

