Phylanx Meeting

December 21, 2017

* Adrian, Stefan, Parsa, Connor, Ali, Shahrzad, Bibek, Rod, Steve, Kate, Monil, Chris, Kevin
* Chris-
  + Able to get the dense test cases working
    - Still needs polishing
  + Almost have the tree transducer rules done
    - Still need to understand Spirit a little bit better
    - Made significant progress
* Kevin-
  + Looks like they used the full SOW for everyone
* Monil-
  + Figured out how to generate a profile for the python code
  + Can build a profile for TensorFlow and NumPy
  + Now looking to generate a profile for Phylanx
* Kate-
  + I can now draw a gant chart from an OTF2 file
  + Will be getting a student in January
  + Will try to have expression tree data in the visualization
* Stefan-
  + Meet with Connor and Rod earlier
  + Tinkering with a few ideas
* Python-
  + Added more functions for ND-Arrays
  + C++ doesn’t utilize the AST as expected
    - Uses the execution tree
    - We would like to collect as much as we can in the AST
  + Steve-
    - We figured out a method we want to use
* Algorithms-
  + Added tests cases for add and subtract
    - Shahrzad
  + Added a “negative” slice
    - Still a PR
  + Parsa is working on the performance counters
* Connor-
  + Working on Python implementation
* Storage
  + Adrian- I am planning to create a shared folder on Rostam which will hold the data sets we are planning to use
  + Feel free to continue to use the Phylanx\_data repo for papers, experimental data, etc.
* Contracts
  + Let’s have each institution speak with “one voice”
    - Please meet with your respective business people before contacting BAH
* Tiling
  + Stefan-
    - I would suggest implementing Spartan’s tiling
  + Rod- Let’s meet early January to discuss this
* Next Meeting: Thursday January 11th at 3pmET/2pmCT/1pmMT/12pmPT
  + Adrian will not be at this meeting