Phylanx Meeting Notes

October 12, 2017

* Adrian, Bibek, Parsa, Ali, Shahrzad Hartmut, Rod, Stephan, Kate, Kevin, Monil, Chris
* Chris-
  + I have a draft of the statement of work
    - Is the stuff in the current proposal a good representation of your work?
    - Hartmut- I think so
  + I will send it around for approval
    - Google Doc
    - Tell me how to fix what’s wrong
  + Talked to Klaus
    - Started implementing the space filling curves
  + I am impressed by the work accomplished this week
* Kevin-
  + Buildbot is now integrated with master
    - Only one build works currently
    - Monil is tackling is the easiest one first
    - Hartmut- Please add a link to the Buildbot in the README
* Monil-
  + Looking at the Buildbot script
    - Looking into the issues with the builders
  + Working with HPX examples
    - Having to learn about CMake
    - Hartmut- I would be happy to meet with you to talk about CMake
* Kate-
  + Trying to get APEX build of HPX working
  + At a visualization conference
* Stephan-
  + Looked at comments on the proposal
* Hartmut-
  + We now have all the primitives to implement a Logistic Regression Model
    - We have an implementation which we need to test and improve before
* Parsa-
  + I have created a serialization code
    - Have not tested it in distributed
  + Have not ported all the algorithms yet
  + Build system is in place but I need to update
  + Hartmut- I would suggest:
    - Get the build system in place
    - Second get the serialization done
    - Then get the add primitive
* Rod-
  + ALS implementation in Python
    - Hartmut- Please add the Python code to a ticket
    - Working on a Phylanx implementation
  + Looking at SimPy
    - Not sure how to map this to our project
* Shahrzad-
  + Still learning about HPX
  + Hartmut- There is a tutorial on the Publications page
* Ali-
  + Got the store algorithm in place
  + Starting the next primitives
    - Read and write to standard in and out
    - Slice read
* Bibek-
  + Working on the for loop primitive
  + Plan to test the Logistic Regression Algorithm with a real data set
* Adrian-
  + New phase of development
    - Focus on improving and optimizing the Algorithms
      * Everyone should be working on a specific algorithm
      * Chis-
        + Would you prefer working on a list of codes or a group of code samples provided by users
    - Focus on must the Python frontend look like
      * Hartmut- Rod, I hope you will take the lead
* To-Do
  + Bibek-
    - Basic version of the for loop
    - Test the current implementation of the Logistic Regression
  + Ali-
    - Implement standard out primitive
  + Shahrzad
    - Sit with Parsa
  + Rod-
    - Running example of ALS
  + Parsa-
    - Get Phylanx to run
  + Hartmut-
    - Create a functional way of interacting with Phylanx
  + Stefan-
    - Spend fall break on this project
  + Monil-
    - Work on the Buildbot
  + Kevin-
    - Send items for SOW
      * Approve it
    - Follow up with Kate
  + Kate-
    - Get a trace of factorial
      * Get APEX-HPX working
    - SOW
  + Chris-
    - Draft statement of work by Monday
    - Finish the remaining space filling curves
* Hartmut Video
  + We will record a video for Hartmut to explain the setup of Phylanx
    - Will post for the team
* Next Meeting: Thursday October 19th at 3pmET/2pmCT/1pmMT/12pmPT via Webex
  + Room 1004