

Phylanx Year 3 Kickoff Meeting

November 8, 2019

- Phylanx Demo
 - Current state of the Jupyter Notebook
 - **We can**
 - Run Phylanx locally
 - Write a function -> visualize result
 - Use Agave to move data
 - **We still need to**
 - Launch a “remote” instance of Phylanx (HPC Deployment)
 - Remote to the instance of the Jupyter Notebook
 - Return a link to a Traveler-Integrated window
 - Be able to print to standard out
 - Toggle between local execution/HPC Deployment
 - Integrate Agave
 - Question to answer: Where does Traveler-Integrated live?
 - Answer: For now we will move data to the local of the Jupyter Notebook
- To-do (Near term)
 - Set up Jupyter Notebook
 - Use Agave to launch Phylanx on HPC resources
 - Toggle “local” / Remote execution
 - Pass in GUIDs to APEX from HPX
 - HPX needs to create and pass GUIDs to APEX
 - Use distributed LRA ASAP in Python
 - Need a way to distribute
 - Implement remaining algorithms
 - Start testing Keras
 - Find Jupyter Notebook testing frameworks
- To-do (Long Term)
 - Gateways 2020 paper?
- Break out groups