1. Project Members:

* *Priyanshu Khandelwal*
* *Hong Min*
* *Jinjun Xiong*
* *Petr Novotny*

1. Accomplishments for the week -- and which team members participated/contributed

* *Explored MXNet C++ package and tried on building it on zLinux.*
* *Explored PyTorch C++ package and tried on building it on zLinux.*

1. List of Milestones to be completed and anticipated date (indicate which ones are in danger of not being met)

* *Completed: Analyze the libraries that blocks the installation of Tensorflow agent on zLinux – Priyanshu Khandelwal – 22 May*
* *Completed: Ensure Tensorflow agent is able to build on zLinux – 5 June*
* *In Progress: Analyze the libraries that blocks the installation of MXNet/PyTorch agent on zLinux – Priyanshu Khandelwal – 12 June*

1. List of issues, problems, or concern(s)

* *MXNet C++ fails to install on zLinux because mxnet uses SSE but it’s not supported on zLinux – Priyanshu Khandelwal*
* *Pytorch agent fails to install on zLinux due to the following errors:*
  + *"s390x" is not supported in QNNPACK, NNPACK, cpuinfo*
  + *Errors in FBGEMM, mkl libraries, sleef library etc*
  + *Multipe test failures, NO\_GCC\_EBX\_FPIC\_BUG, C\_HAS\_AVX\_1, C\_HAS\_AVX2\_1, CXX\_HAS\_AVX\_1, being some of them.*

*- Priyanshu Khandelwal*