

CUG PEAD-SIG 2018



Agenda

- Sites updates
- Luiz DeRose 1 vs 30: Concerns on CrayPE
- Live demo on the PE build environment in a Docker container by Heidi Poxon (Cray)
- Application Performance Insights via System Monitoring by Ann Gentil(LANL)
- Elections

Sites Updates

- Status of CLE ?
- Seminar issues with web-conferences.
- Outreach to other CUG sites.

CLE PrgEnv concerns

- Recent PGI released (18) are not supported by the PrgEnv
 - 18.4 available from PGI
 - 17.10 on Cray
- Why is CUDA tied to CLE UP release?
 - On Cray: CUDA 8.0, driver version 384.111
 - Available from NVIDIA: 9.1, 9.2 coming soon
- Cray-python is not build with Intel-MKL like on Urika XC
- Support of old compiler/MPI library with CLE 6?
- Tuesday Technical Session 9B 3-5pm: The Cray Programming Environment: Current Status and Future Directions Luiz de Rose

Presentations

- Live demo on the PE build environment in a Docker container by Heidi Poxon (Cray)
- Application Performance Insights via System Monitoring by Ann Gentil(LANL)

PEAD-SIG Update CUG2018

- 39 attendees from 17 different organizations
- Luiz DeRose 1 vs 30
 - Sites updates concerns on Cray-PE
 - Support on newer version of PGI 18 and CUDA 9.1
 - Difference of builds on native XC and Urika XC for Python and R
 - Support for old compiler and libraries.
- Live demo on the PE build environment in a Docker container by Heidi Poxon(Cray)
- Application Performance Insights via System Monitoring by Ann Gentile(LANL)
- Elections 2018-2020
 - Chair: Bilel Hadri (KAUST)
 - Deputy Chair: Ashley Barker (ORNL)
 - Deputy Chair: Greg Bauer (NCSA)
 - Deputy Chair: Zhengji Zhao (NERSC)
 - Deputy Chair: Guilherme Peretti-Pezzi (CSCS)