

Minute of the meeting

Date: April 14th, 2021

Participants

EUROfusion: France Boillod-Cerneux, Jacques David, Roman Hatzky, Serhiy Mochalskyy

CINECA: Susana Bueno, Alessandro Marani

INTEL: Giacomo Rossi

Subjects discussed

Ticket revision

We have reviewed events announced to all users via hpc-newsletter that have affected production since February 18 until March 17.

We have reviewed the progress on the ticket escalated to Intel support, 3932: Intel has not reported yet updates about the bug (CMPLRIL0-33599, issue internally escalated to high priority); the date reported refers to latest ticket update, we will report next time the latest date for the Intel updates received independently from the channel. We have also reported and reviewed other tickets on the second level support queue. We have focused on tickets:

- 9462: CINECA has contacted IBM for clarifications about the behaviour of X-Bus when p2p communication between GPUs of different sockets is involved. CINECA will update EUROfusion when IBM will be able to provide an answer .
- 13850, 15867: both issues have been escalated to Nvidia support. We will contact the user of 13850 for updates as he was also in contact with support.
- 16039: the user required, besides paraview tool that is available on Marconi100 cluster, an Nvidia Index Plugin that cannot be installed for now as this is not available for power architecture.

Ticket statistics

We have reported and reviewed information collected for all tickets received (on both the first and second level support queues) since March 15 until April 8.

Module usage on Marconi-SKL

We reported data collected for March 2021 (referring to new 5th Cycle Allocation projects that started on March 1st) for the modules usage of those batch jobs submitted by EUROfusion users/accounts to Marconi-SKL partition, that was integrated with information about module usage by partition/qos.

Sanity checks on Marconi and Marconi100 clusters

Sanity checks were performed during maintenance operations on Marconi and also during production on Marconi100, and the results were shown. Confirming the recent trend, the tests showed good stability on both clusters and no particular issues were pointed out.

CINECA will discuss internally about the possibility of integrating short check jobs to identify potential ailing nodes before a job starts, feedback will be given before next OOC.

hpcmd tool

We have presented an updated report with the progress done with the installation and setup of the tool on Marconi cluster. We have focused mainly into the workflow specific for the data collection on the cluster, the data transport for its final ingestion into the Elasticsearch database. This workflow, that has been tested on a development platform will be put in place in the forthcoming days on the skl_sys_test nodes where the hpcmd daemon is active and running.

Next ticket meetings

The scheduled dates for next ticket meetings are:

TM-53: Wednesday, May 19th, 2021 at 10:00

TM-54: Wednesday, June 16th, 2021 at 10:00

TM-55: Wednesday, July 15th, 2021 at 10:00