

Minute of the meeting

Date: December 11th, 2020

Participants

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

CINECA: Susana Bueno, Alessandro Marani, Nitin Shukla

Subjects discussed

Ticket revision

We have reviewed events announced to all users via hpc-newsletter that have affected production since November 10 until December 10.

We have quickly reviewed the progress on the two active tickets *escalated to Intel support*:

- ticket 49: the expected fix has been released and tested in the latest update 4 of Intel 2020 that has been installed on Marconi cluster. This ticket is classified now as resolved.

- ticket 3932: Intel support reported that they expect to see this fix in PSXE 2020 Update 4; preliminary tests performed with the latest update 4 of Intel 2020 do not show any improvement. Tests results will be communicated to the user and Intel support.

We have also reported and reviewed other tickets on the second level support queue:

- ticket 9462: CINECA performed some investigation internally. They reproduced the problem about p2p bandwidth inter-socket performance and gathered additional data. After this preliminary phase, nVIDIA is contacted to ask for an investigation from their side.

- ticket 13484: we will provide the users a link to a EUROfusion webinar based on "openacc".

- ticket 14301: the issue reported in this ticket (that had been previously observed) has been analyzed on the server logs; it could be reproduced once on the same compute nodes involved in the reported failed job. More in-deep investigations are underway.

Ticket statistics

We have reported and reviewed information collected for all tickets received (on both the first and second level support queues) since November 6 until December 6.

Module usage on Marconi-SKL

We have shown data collected since March 1 until November 30 that report the modules usage of those batch jobs submitted by EUROfusion users/accounts (4th Cycle Allocation) to Marconi-SKL partition.

For data referring only to November 2020, we have integrated additional information for each module reporting also the partition/qos used by the relative SLURM batch job.

Sanity checks on Marconi and Marconi100 clusters

Sanity checks were performed for Marconi, in early December during production, and Marconi100, during the scheduled maintenance of December 1st. In both cases the results shown demonstrated a good overall performance for all the partitions dedicated to EUROfusion activities

likwid & hpcmd tools

We have also reported quick updates on the installation of the SLURM plugin (prerequisite in order to run Likwid on our clusters) and hpcmd tool (work in progress). The installation of the new SLURM plugin was in the list of activities planned

for Galileo cluster scheduled maintenance operations on November 10. During these, we tried the installation with no success due to changes introduced in the SLURM version recently installed on the cluster. Appropriate changes to the plugin have been applied now, and it is ready to be installed on next maintenance operations on Galileo cluster.

Next ticket meetings

The scheduled dates for next ticket meetings are:

- TM-49: Thursday, January 14th, 2021 at 10:00
- TM-50: Thursday, February 18th, 2021 at 10:00
- TM-51: Thursday, March 18th, 2021 at 10:00