

Minute of the meeting

Date: January 14th, 2021

Participants

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

CINECA: Susana Bueno, Alessandro Marani, Nitin Shukla

INTEL: Giacomo Rossi

Subjects discussed

Ticket revision

We have updated the public scheduled maintenance operations calendar for year 2021 on our web site:

<https://www.hpc.cineca.it/calendario-completo/month>

We have reviewed events announced to all users via hpc-newsletter that have affected production since December 11 until January 13.

We have reviewed the progress on ticket 3932, escalated to Intel support: Intel support reported that they expect to see this fix in PSXE 2020 Update 4; results of tests performed with the latest update 4 of Intel 2020 did not show any improvement. Intel has provided new results obtained with latest available releases of compilers that seems to have fixed the bug; we are performing additional checks for it (high priority).

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

- ticket 9462: nVIDIA has provided some information that must be further investigated and tested. Work in progress.
- ticket 14301: the issue reported in this ticket (that had been previously observed) will be closed for now. We will proceed with new tests should the issue will be observed again.
- ticket 14957: this ticket (not reported in the document) addressed a job failure due to an ailing node on Marconi100 cluster. The node was put out of production to be checked for anomalies to be corrected.

Ticket statistics

We have reported and reviewed information collected for all tickets received (on both the first and second level support queues) since December 7 until January 10.

Module usage on Marconi-SKL

We have shown data collected since March 1 until December 31 that report the modules usage of those batch jobs submitted by EUROfusion users/accounts (4th Cycle Allocation) to Marconi-SKL partition. We have reported also data containing information on the module usage by partition/qos for those jobs referring to December 2020.

We will prepare additional information specific to VASP in order to understand better its usage on Marconi-SKL (users, number of nodes required for those batch jobs, etc).

Sanity checks on Marconi and Marconi100 clusters

Sanity checks for the month of January were performed and shown during the Ticket Meeting. The tests were performed on Marconi during maintenance and on Marconi100 during production, and the results were good and shown stability. No particular problem has been reported.

likwid & hpcmd tools

The SLURM plugin, a prerequisite in order to run Likwid on our clusters, has been installed on Marconi cluster during the last scheduled maintenance operations performed on January 12th. This plugin is now ready for testing (we will send details to Nils Moschuerig). We provided necessary information on how to activate it.

We have also reported quick updates on the state-of-the-art for the hpcmd tool.

Other points discussed

We will check and proceed with necessary steps in order to grant EUROfusion users access to Marconi100 cluster. In particular, for those users that have at present access granted only to Marconi-SKL.

We will remind CINECA staff about the possibility to participate to next EUROfusion webinars.

Next ticket meetings

The scheduled dates for next ticket meetings are:

TM-50: Thursday, February 18th, 2021 at 10:00

TM-51: Thursday, March 18th, 2021 at 10:00

TM-51: Wednesday, April 14th, 2021 at 10:00