

## Minute of the meeting

**Date:** September 14<sup>th</sup>, 2021

### Participants

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

*CINECA:* Susana Bueno, Alessandro Marani

*INTEL:* Giacomo Rossi

### Subjects discussed

We have reviewed events announced to all users via hpc-newsletter that have affected production since July 13 until September 13.

#### *Ticket revision*

We have reviewed the two tickets escalated to SchedMD:

- ticket 16506: SchedMD support referred that the fix for the issue reported in this ticket will be available in slurm 21.08; this was released on August 26<sup>th</sup>, we planned its installation on Marconi100 cluster during next scheduled maintenance operations on September 21<sup>st</sup>.
- ticket 18895: SchedMD support expect this bug fix on 20.11.8 version. Latest slurm 21.08 version was installed on Marconi cluster on September 8<sup>th</sup>, preliminary tests performed indicate that the issue is fixed but further testing has been planned for its confirmation.

We have also reported and reviewed the status for the two tickets escalated to Intel support:

- ticket 3932: Intel support is working on this bug (CMPLRIL0-33599) and they expect this bug fix to be available on Intel oneAPI 2022.0 release.
- ticket 16019: we also provided a report containing results obtained for latest tests performed using IntelIMLC tool for intra-node bandwidth evaluation as suggested by the Intel MPI team. We agreed that this ticket can be closed.

We quickly reviewed recently opened tickets that have been escalated to NVIDIA support, and reviewed also other tickets on the second level support queue:

- ticket 19157: the know randomly occurring issue for user's jobs running Euterpe has occurred again but the frequency seems to be lower at present. We will contact back the user to proceed with a strategy to recognize the possible bug involved on these jobs as he is at present the only user referring the problem.
- ticket 20018: we agreed to close this ticket as this will be taken in charge by the ACH team.

#### *Ticket statistics*

We have reported and reviewed information collected for all tickets receive, on both the first and second level support queues, since July 13 until September 9.

#### *Module usage on Marconi-SKL*

We reported data collected for July and August 2021 (referring to new 5<sup>th</sup> Cycle Allocation projects that started on March 1<sup>st</sup>) 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 the months of August and September, in both Marconi and Marconi100. The tests showed no particular problems and an overall stable performance for both clusters, save for a few isolated cases that were immediately addressed by the system administrators of CINECA. It was stressed the importance of performing sanity checks also during regular production, an activity that will be resumed starting next month.

### *likwid & hpcmd tools*

We reported latest investigations done for likwid tool (that makes use of perf tool) to understand previous tests results obtained that showed a failure in the main memory data collection. Checks performed indicate that the kernel do not support performance monitoring events in the uncore for Skylake architecture.

We quickly discussed about the hpcmd tool. We reported no specific updates, work in progress.

### **Next ticket meetings**

The scheduled dates for next ticket meetings are:

TM-57: Friday, October 15<sup>th</sup>, 2021 at 10:00

TM-58: Monday, November 22<sup>nd</sup>, 2021 at 10:00

TM-59: Wednesday, December 15<sup>th</sup>, 2021 at 10:00