

## Minute of the meeting

Date: May 19<sup>th</sup>, 2021

### Participants

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

*CINECA*: Susana Bueno, Alessandro Marani

### Subjects discussed

#### *Ticket revision*

We have reviewed events announced to all users via hpc-newsletter that have affected production since April 14 until May 18. We will collect specific details about the new plugin (mrs-safe) installed on Marconi cluster during last scheduled maintenance operations to be reported and discussed at next meeting.

We have reviewed the two tickets escalated to Intel support, 3932 and 16019. For ticket 3932 Intel has not reported updates about the bug (CMPLRIL0-33599, issue internally escalated to high priority); ticket 16019 must be pushed so to provide the specific information required.

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. IBM passed the problem to a specialist team in US after testing the benchmark and confirming the behaviour. We will provide further updates as soon as available.
- 16960: to confirm that the user managed to run successfully the same case on a different cluster.
- 17767: the reported results for a test code running on Marconi100 cluster indicate slower execution times, this is the first time observed in this cluster.

#### *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 April 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 on Marconi during maintenance and on Marconi100 during maintenance and production. The results were generally stable, with some ailing nodes in some occasions for both cluster, that were drained and fixed before returning to production. EuroFusion commented that for the first time experienced some slowdowns during their production checks on Marconi100, probably because the partition is now starting to be largely occupied by EF users. It is decided that for a small period CINECA will run Sanity checks just before and after a maintenance, to compare the results and notice if there are particular differences.

#### *hpcmd & likwid tools*

We have given some updates about the progress done with the specific workflow for the data transport and collection for its final ingestion into the Elasticsearch database. This workflow, that has been tested on the development platform, must be now activated on the skl\_sys\_test nodes where the hpcmd daemon is active and running.

Latest tests performed with likwid tool installed as module on Marconi cluster show a failure in the main memory data collection, as this data is missing. Work in progress for this to be fixed.

**Next ticket meetings**

The scheduled dates for next ticket meetings are:

TM-54: Wednesday, June 16<sup>th</sup>, 2021 at 10:00

TM-55: Wednesday, July 15<sup>th</sup>, 2021 at 10:00

TM-56: Tuesday, September 14<sup>th</sup>, 2021 at 10:00