Minute of the meeting

Date: December 15th, 2021

Participants

EUROfusion: France Boillod-Cerneux, Jacques David, Gilles Fourestey, Roman Hatzky, Serhiy Mochalskyy
CINECA: Alessandro Marani, Nitin Shukla
INTEL: Giacomo Rossi

Subjects discussed

We have reviewed events announced to all users via hpc-newsletter that have affected production since November 22 until December 14.

Ticket revision

We have quickly reviewed ticket escalated to Intel support, for which we expect the bug fix to be released on Intel oneAPI 2022.0 version, and escalated to NVIDIA support, for which we have not received updates yet, we will push.
Other tickets were briefly reviewed and discussed, with no particular observations raised.

Ticket statistics

We have reported and reviewed information collected for all tickets received, on both the first and second level support queues, since November 22 until December 14.

Module usage on Marconi cluster

We reported data for the month of November; it refers to the module usage of those batch jobs submitted by EUROfusion users/accounts to Marconi-SKL partition.

Sanity checks on Marconi and Marconi100 clusters

Sanity checks were performed during maintenance and production on both MARCONI and MARCONI100 clusters, and the results were shown during the Ticket Meeting. All the tests proved that the situation is stable and there are no significant problems in any of the tests performed. No further maintenances are scheduled for the remainder of 2021.
There was a brief discussion about the report of Diego Molinari (CINECA) about the ailing nodes issue. It was verified that the statistic amount of ailing nodes reported in the last two years is relatively low, and ensured that safety measures are in effect, as a procedure that normalizes the nodes with capping problems already runs on Marconi every 15 minutes. The issue is considered closed.

hpcmd tool

No updates on this topic since Susana Bueno (CINECA) was absent. There will be a major update at the next Operation Committee.

Euterpe issue

An analysis performed during the last maintenance of Marconi was shown. The results show that when Euterpe is submitted with mpiexec, under certain conditions (no hostfile specified, no sleep between mpiexec istances, etc.), it has an approx. 50% of chance to hang. EUROFusion and CINECA agree to recommend all users to use srun instead of mpiexec when running Euterpe. CINECA will notify the users of this recommendation via HPC-News and will update the documentation by adding this information. The issue is considered closed.

Next ticket meetings

The scheduled dates for next ticket meetings are:
>   TM-60: Thursday, January 20th, 2022 at 10:00
>   TM-61: Monday, February 14th, 2022 at 10:00
>   TM-62: Monday, March 14th, 2022 at 10:00