Minute of the meeting

Date: April 11th, 2022

Participants

EUROfusion: France Boillod-Cerneux, David Coster, Jacques David, Gilles Fourestey, Fredric Granberg, Roman Hatzky, Serhiy Mochalskyy, Michal Konrad Owsiak
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 from March 15 until April 10.

Ticket revision

We have reviewed tickets escalated to NVIDIA support, for which there are no no news. One of them (#19978) is waiting from feedback from the user, that has to test some workarounds.
Other tickets were briefly reviewed and discussed, with no particular observations raised. For ticket #25653 we are afraid that the user (Patrick.TAMAIN@cea.fr) is not receiving our replies, EUROfusion will contact him.

Ticket statistics

We have reported and reviewed information collected for all tickets received, on both the first and second level support queues, from March 10 until April 6.

Module usage on Marconi cluster

We provided data for the month of March; 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, 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, save from some nodes or GPUs wih performances slightly below the expected threshold.

Power capping on Marconi

No updates on this topic, but the system administrators of CINECA are gathering additional data to improve their procedures that detect and uncap nodes with power capping on.

Starwall benchmarks

A known problem with fluctuating performances for the code Starwall has been discussed. The fluctuations are usually shown during the Operation Committee, and the current theory justifies them with the outdated version of OPA and the high MPI parallelism of the code, but we are in search for confirmation. A plan for further benchmark has been discussed and approved with EUROFusion. CINECA will be in charge of this task.

Likwid & hpcmd tools

No updates on this subject since i twill be discussed at large at the next Operation Committee.

Other topics

EUROFusion discussed feedbacks about a recent a workshop about advanced topics with Intel.

Next ticket meetings

The scheduled dates for next ticket meetings are:
TM-64: Monday, May 16th, 2022 at 10:00
TM-65: Monday, June 13th, 2022 at 10:00
TM-66: Monday, July 4th, 2022 at 10:00