Experiences with MARCONI & LEONARDO

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Motivation

Objective

- Sharing and Addressing Experiences, Problems, and Concerns with Machine Use

Multiple Viewpoints

- Users

- Developers

- TC/OC Members

Ticket Committee (TC): holds monthly meetings to:

- review issues reported by EUROfusion users on Marconi and Leonardo machines.

- monitor the reliability and stability of Marconi and Leonardo machines using production codes (e.g. Euterpe, Gene, Orb5, starwall …)

Motivation

From TC experience, some Opening Thoughts for Discussion

- Network instabilities on Marconi and Leonardo due to hardware issues that caused job failures and reduced system availability. *Have you experienced this instability?*

- HPCMD tool was made available to users, enabling them to obtain information about their jobs' hardware usage. *Are you using it? Is useful?*

- Most tickets are resolved by the helpdesk within two business days. *What has your experience been with the ticket system on these machines?*

- Job queue waiting times are relatively long on Leonardo and have worsened on Marconi due to the reduction in available nodes. *What is your experience submitting jobs to those systems?*

- *Have you noticed notable wall clock time fluctuations in your executions?*

- **Open Discussion:** *any experience, other issues and feedback are Welcome.*