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Thermi, Thessaloniki, 29-06-2015

Protocol number.: 27364/29-06-2015

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SUBJECT: Clarifications requested regarding the Call for Tenders titled "Procurement of a high-performance computer system (supercomputer) for computational chemistry simulations compatible with the MedeA® software". (Call prot. no. 265/15-06-2015)

Following the submission of requests for clarifications related to the above referenced call for tenders, the following responses are provided:

Question

1. The specification "at least 4GB of RAM per core" refers to the memory (RAM) for each of the cores provided by the processors in the system?

Answer

1. Yes. For example, if the supercomputer system contains four eight-core processors, the total system RAM should be at least 128 GB.

Question

2. Can the requirement for the computer system's compatibility with the "MedeA/VASP 4.6" and "MedeA/VASP 5.3" software be satisfied through on site installation and configuration (at the place of final delivery) by a technician of our company, given that our company does not have access to the installation media for the aforementioned software packages?

Answer

2. Yes. The process of completing the delivery of the system can include the visit by a technician of the supplier to install and configure the software at the site of final delivery. We can provide access to the installation media for this purpose. It is important, for the final acceptance of the delivered system, that the software works without errors and inter-operates with the operating/connectivity software of the system, specified by the Call for Tenders (the "CentOS" operating system, the "Rocks" computer cluster software and the "PBS" job queuing system).

Question

3. What is the required capacity of the SSD hard disks in RAID1 configuration?

Answer

3. The SSD hard disks will host the operating system, the specified software packages and will provide temporary storage space for the computations that will be carried out by the computer system. We expect that the SSD hard disks will possess at least 100 GB of storage capacity.

Question

4. Is it mandatory to adhere to the specified versions of the "CentOS 6.3" and "Rocks 6.1" software packages? There are newer versions of these software packages available.

Answer

4. A system with newer "CentOS" and "Rocks" software versions is acceptable under the condition that the versions installed are compatible with each other as well as with the "PBS" queuing subsystem and present no compatibility problems with the "MedeA/VASP" software.

Question

5. Can you refer us to computer systems, available on the market, indicative of the overall form of the supercomputer system that the Call for Tenders describes?

Answer

5. We direct you to the below internet links where you may find information/images related to two pertinent examples we are aware of:

   a) From the materials design company, which is the provider of the MedeA/VASP software, referred to in the Call for Tenders:

   http://www.materialsdesign.com/medea-instrument

   b) From the CreativeC company:

   http://www.computefaster.com/stelletto/

On behalf of the Tender Committee

Nikolaos Vlachos