**Cloud Computing**

**Exercise 3 - Cloud Computing System Architecture**

1. What is a computing cluster？
2. Please describe the architecture of a computing cluster.
3. Please analyze the top 500 supercomputers and their features including architectural evolution, performance and detailed machines
4. Please tell the difference between availability and reliability, and give the equations to compute them.
5. Please explain how the Single System Image (SSI) works for clusters.
6. Please discuss the challenges for single entry point as described in the following picture.

