

List of questions for exam *Cluster, Cloud and Grid systems*

1. What is computer cluster (description and examples).
2. What is filesystem (description, examples).
3. What is Grid system in computing (explain, examples)?
4. Bases for Grid systems in computing (why, reasons and technical possibilities).
5. Components of the Grid systems.
6. Which problems might be solved in the cloud?
7. Bases for cloud computing (demands, technical possibilities).
8. IaaS (explanation and examples).
9. SaaS (description and examples).
10. PaaS (description and examples).
11. Reliability/security in computer cluster.
12. Technology reliability in the computer cluster.
13. Information Security in computer cluster.
14. Types of programming languages (examples).
15. Main types of DBMS.
16. Parallel computing in the computing cluster.
17. The computing “job” in computing cluster. Batch systems.
18. Amdal's law (describe).
19. Methods to compare computing cluster performance. List of most powerful clusters in the World.
20. Monitoring of the computer cluster..

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