

UVA Ba. HPC and BigData

Introductory lectures

Reading Assignment

Read and summarize the most important points of the following two papers:

1. Foster et al. "Cloud Computing and Grid Computing 360-Degree Compared," Grid Computing Environments Workshop, 2008. GCE '08 , vol., no., pp.1,10, 12-16 Nov. 2008 [doi:10.1109/GCE.2008.4738445](https://doi.org/10.1109/GCE.2008.4738445)
 2. Adam Jacobs "The pathologies of big data", Magazine Communications of the ACM ,Vol. 52 Issue 8, Aug. 2009. [doi:10.1145/1536616.1536632](https://doi.org/10.1145/1536616.1536632)
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Foster paper [1] is a very popular cited more than 2500 times, the paper compare cloud computing with grid computing from various angles and give insights into the essential characteristics of both systems. Jacobs paper [2] discuss typical problems and bottlenecks when dealing with Big Data

Both papers have been published in 6-7 years ago, and have to be read, analysed, and put in context of more recent development in both Cloud computing and Big Data.

The Summary of each paper should not exceed 1 A4.