BEST: International Journal of Management, Information Technology and Engineering (BEST: IJMITE)
ISSN 2348-0513
Vol. 2, Issue 12, Dec 2014, 1-8

ARCHITECTING AND IMPLEMENTING GRID COMPUTING

ZAINAB NAYYAR & NAZISH RAFIQUE

Student, Department of Software Engineering, Army Public College of Management Sciences, Rawalpindi, Pakistan

ABSTRACT

Few years back supercomputers were used for large computational work but they were used only for specific purposes, but after the completion of particular task one could not use them for any other general purpose and not more than one task could run on supercomputers at a time. After the invention of desktops it becomes easy to run more than one task but large computational work cannot be handled by them due to the limitation of resources. Due to these limitations, grid technology has emerged to a large scale to cater the jobs of supercomputers but without the resource limitation. By seeking this purpose a computational grid is deployed the job submission and resource utilization has been viewed. The basic purpose of this paper was to implement a grid environment and overcome the limitations of supercomputers and desktop computers. For Cost and time factors are considered to deploy a cost effective grid environment in less time period.

KEYWORDS: Grid Computing, Supercomputers, Clusters