Abstract

Computational Grid processing is defenseless against numerous manual dangers. On the off chance that the desktop is bargained, information misfortune, or even finish control of the desktop, could happen. The foundation presently sent in most network situations tends to a great degree complex. In past work heaps of routes proposed to taking care of the computational Grid if there should arise an occurrence of fault and failure in grid. The primary disadvantage is arrangement given worked physically. There was no effective solution which can deal with the fizzled computational grid automatically at failure time. We Selected the Alchemi grid middleware due to its support for Microsoft window platform. Our Research Paper is to give productive Framework which will ready to handle computational network automatically if there should be an occurrence of Failure in a computational grid middleware. This advancement of productive framework will change over manual path into programmed way based on the Processing power and Memory. It will therefore work to give programmed execution occupation even after middleware offer powerlessness to take care of issue. Execution procedure can begin on remote node in view of the present Memory status and
Memory and CPU Power based Automatic Fault Tolerant Framework in Alchemi Computational Grid

Processing Power status. Straightforward memory and processing Power control makes the computerized structure more influential. Proposed mechanized system give reaction in milliseconds to control the failure in execution Process. This Research work is capable to maintain the existing processing power in computational grid middleware. Testing of proposed framework on Peer to Peer Node in Alchemi desktop middleware in Local Area Network.

References

4. http://www.gridbus.org/~alchemi/files/1.0.beta/docs/AlchemiManualv.1.0.htm
5. Fault Tolerant MPI for Clusters and Grid Environments Hernani Pedroso Critical Software SA Rua Pedro Nunes, 3030-397 Coimbra Portugal
10. M. Raissa, C. Walfredo, “faults in grid, why they are so bad and what can be done for it”, @dsc.ufcg.edu.br

Index Terms

Computer Science
Power Systems
Keywords

Computational grid, Alchemi, Automatic, Microsoft window