Abstract

In this paper, we are discussing about the performance of distributed computing systems. Performance is a key parameter which needs to be addressed for any system. Since huge computational power could be employed by using distributed systems, the performance or the complete utilization of such power is also of utmost importance. The key quality performance characteristics such as response time, throughput and scalability are vital to the operation of distributed computing systems. When huge, geographically separated systems are employed the reliability as well as the availability of these systems becomes crucial. We will be looking into the possibility of reducing the downtime of distributed systems and providing a consistent performance throughout its entire life cycle.

References

1. Carl Christensen, Tolu Aina and David Stainforth The Challenge of Volunteer Computing With Lengthy Climate Model Simulations, Department of Atmospheric Physics University of
Performance Analysis of Distributed Systems using BOINC

Oxford Clarendon Laboratory Oxford OX1 3PU United Kingdom(carlc,tolu,das)@atm.ox.ac.uk.


3. 1 David P. Anderson, 2 Carl Christensen and 3 Bruce Allen Designing a Runtime System for Volunteer Computing, 1 UC Berkeley Space Sciences Laboratory, 2 Dept. of Physics, University of Oxford, 3 Physics Dept., University of Wisconsin - Milwaukee.

4. Early Performance Testing of Distributed Software Applications, Giovanni Denaro†, Università di Milano Bicocca, Dipartimento di Informatica, Sistemistica e Comunicazione I20126, Milano, Italy, denaro@disco.unimib.it, Andrea Polini†, ISTICNR, Via Moruzzi, 1, I56124, Pisa, Italy, a.polini@sssup.it, Wolfgang Emmerich, University College London, Dept. of Computer Science, WC1E 6BT, London, UK, w.emmerich@cs.ucl.ac.uk.

5. B. Clifford Neuman, Scale in Distributed Systems, Information Sciences Institute, University of Southern California


Index Terms

Computer Science  System Architecture

Keywords