

ANALYSIS OF LOAD BALANCERS IN CLOUD COMPUTING

SHANTI SWAROOP MOHARANA¹, RAJADEEPAN D. RAMESH² & DIGAMBER POWAR³

^{1,2}Research Scholar, Department of Electrical Engineering BITS Pilani, Hyderabad, India

³Lecturer, Department of Computer Science BITS Pilani, Hyderabad, India

ABSTRACT

Cloud Computing is high utility software having the ability to change the IT software industry and making the software even more attractive. It has also changed the way IT companies used to buy and design hardware. The elasticity of resources without paying a premium for large scale is unprecedented in the history of IT industry. The increase in web traffic and different services are increasing day by day making load balancing a big research topic. Cloud computing is a new technology which uses virtual machine instead of physical machine to host, store and network the different components. Load balancers are used for assigning load to different virtual machines in such a way that none of the nodes gets loaded heavily or lightly. The load balancing needs to be done properly because failure in any one of the node can lead to unavailability of data.

KEYWORDS: Cloud Computing, Static Load Balancer, Dynamic Load Balancer, Load Balancer Algorithms