

Load Balancing Algorithms for SIP Server Clusters in Cloud Computing

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Abstract : For its groundbreaking and substantial power, cloud computing is today's most popular breakthrough. It is a sort of Internet-based computing that allows users to request and receive numerous services in a cost-effective manner. Virtualization, grid computing, and utility computing are the most widely employed emerging technologies in cloud computing, making it the most powerful. However, cloud computing still has a number of key challenges, such as security, load balancing, and non-critical failure adaption, to name a few. The massive growth of cloud computing will put an undue strain on servers. As a result, network performance will deteriorate. A good load balancing adjustment can make cloud computing more productive and increase client fulfillment execution. Load balancing is an important part of cloud computing because it prevents certain nodes from being overwhelmed while others are idle or have little work to perform. Response time, cost, throughput, performance, and resource usage are all parameters that may be improved using load balancing.

Keywords : cloud computing, load balancing, computing, SIP server clusters

Conference Title : ICWCCC 2022 : International Conference on Wireless Communication and Cloud Computing

Conference Location : Toronto, Canada

Conference Dates : June 16-17, 2022