A Study on Resource Pooling, Allocation and Virtualization Tools used for Cloud Computing

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Abstract

In cloud computing various types of resources like CPU, Memory, OS, Application Software etc. are used. A cloud server, which has sufficient resources all the time for its clients as resource pools, efficiently and dynamically allocates or deallocates these resources, is considered good for its clients.

Here, in this paper, we have presented a study on various types of resource pools like physical server pools, virtual server pools, storage pools, network pools etc available in cloud computing, various allocation strategies, and virtualization tools used in cloud computing to manages these resources for client’s request. This study will be useful to understand the underlying technologies of cloud computing.

References

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Index Terms

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Keywords

Resource pooling, cloud computing, virtualization, hypervisor, virtual machine, allocation, deallocation.