ABSTRACT

ANALYSIS OF NETWORK PERFORMANCE CLOUD
WITH THE QUALITY OF SERVICES METHOD
IN MICROSOFT AZURE AND AMAZON WEB SERVICES CLOUD
COMPUTING TECHNOLOGY PROVIDER

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The last few years have been the era of cloud services and are starting to appear shift in service usage to the cloud. The cloud application itself is based on the application of virtualization techniques so that the client is no longer a source of computing, but is done on a server that is on an internet network (cloud). Cloud technology requires fast internet access and support for fast data transmission. This is a new challenge raised by cloud services namely Quality of Service (QoS) management, which must guarantee that each users get application services or cloud computing services that are always on available and according to the needs of customers.

This paper will focus on testing network performance between two major cloud service providers in the world, namely Microsoft Azure and Amazon Web Services. The method used in the comparison of performance levels is Quality of Services with the parameters tested are jitter, data loss, latency, and throughput.

The results obtained from this study are the comparison of the network performance of each cloud service provider based on the testing that has been done so that it can help users who will choose cloud services.

Keyword : Quality of Service, cloud computing.