ABSTRACT

High availability is a method where servers in one availability zone can

always be used even if there is a problem with one of the servers. High availability

implementation can be done using a cluster on the server, and one of the clusters

that is often used is AWS EC2.

AWS EC2, or Amazon Web Services Elastic Compute Cloud, is a cloud

service created by Amazon to provide storage capacity securely and scalably.

Developers use AWS EC2 to build large-scale cloud computing. AWS EC2 has

complete control over compute resources and can run Amazon's proven computing

environment.

After implementing a high availability system and conducting testing, the

results of the Availability calculation obtained are 99.87861%. Based on the Level

of Availability, the Availability calculation results obtained are included in the "two

nine" level or 99% availability level.

Keywords: AWS EC2, cloud computing, high availability.

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