

Abstract

VoIP (*Voice over Internet Protocol*) is a voice communication technology using the internet protocol, while Cloud Computing is an internet-based computing technology as a data management center. VoIP infrastructure in the cloud used is performed by using Amazon Web Service EC2 service. This VoIP server can be attacked by DoS (Denial of Service). The attack can decrease VoIP service quality. To handle the VoIP service for function properly, a server transfer is made to other in the event of DoS attack. The study can prove the server can move to other server after an attack happens. The MOS before the attack is 4.2 and when the attack happens is 1. The MOS after the server has moved is 4.2.

Keywords: VoIP, DoS, Cloud Computing, Amazon Web Service, Instance Server