ABSTRACT

Cloud computing is a technology that makes the internet as a central server for managing data and user applications. Cloud computing has three service models, one of them is Infrastructure as a Service (IaaS). This service offers a virtual computing architecture and infrastructure. These resources include data storage, virtualization, servers, and networks. In maintaining the server we can do live migration so as not to interfere with the normal process.

The concept of live migration in cloud computing uses virt-manager. Live migration using virt-manager has the ability to move a virtual machine from one node to another node. Live migration this time we use the post-copy method. Post-copy method with scenarios playing games using 4 GB of memory, getting the lowest average downtime that is 89 ms and not too large average migration time in the test results that is 10 s.

Keyword: *Cloud Computing, Live Migration, post-copy, Virt-manager*