**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

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