

## ABSTRACT

On a virtualized system, the availability of a service should be good. Live virtual migration precopy based is a way to keep service availability good when maintenance of machines is needed. Xen Hypervisor is a virtual machine monitor that supports live virtual migration precopy based. The ability of the good service availability will be influenced by performance of live virtual migration precopy based on Xen Hypervisor. Performance can be watched from the total migration time, throughput and bandwidth utilization presentations.

At this final task will be measured against the performance of live virtual migration precopy based on Xen Hypervisor that is watched from the total migration time, throughput and bandwidth utilization presentations with parameter that is comparison of VM RAM size.

The results obtained show a larger virtual RAM of live virtual migration precopy based on Xen Hypervisor will increase the total migration time, lowering throughput and showed no significant difference to the presentation of bandwidth utilization.

**Keyword :** *live virtual migration, precopy, xen hypervisor, performance, total migration time, throughput, bandwidth utilization presentation*