Abstract

Lately the development of cloud computing is growing rapidly. Many service providers hosting servers provide cloud computing services with a variety of price variations as well as the benefits of each service provider. It does not rule out the possibility in the future that service providers allow its users to be able to move from one provider to another provider, so that the required special technology to handle such migration.

In this final project implemented and analyzed the performance of the method of post-copy storage migration that applied to the WAN environment by using the parameters such as performance of storage I/ O, migration period, and the degradation time. Method of post-storage copy of this migration using NBD as its network server storage by adding the two techniques, there are on-demand fetching and background copy.

The results of this final project is the perfomance of storage I/O on the post-copy storage migration is lower than the pre-copy storage migration. Then a period of total migration in the post-copy storage migration longer than a pre-copy storage migration. Then big time degradation of kernel compile of post-copy storage migration and pre-copy storage migration. However, post-copy storage migration still shows a kernel compil time faster than the pre-copy storage migration.

Keywords: *post-copy storage migration, pre-copy storage migration,* NBD, *on-demand fetching, background copy*.