

ABSTRACT

Thin client is a computer network technology where clients act as dumb terminal, mean while the application process and data storage of the clients are done centrally at server. LTSP (Linux Terminal Server Project) is a project that explores the ability of linux for XTerminal application. XTerminal is one of thin client model which can be built using linux platform. LTSP is diskless thin client where there are no operating system installed at local clients.

These technology which similar with mainframe system become more popular because can save hardware resources without reducing its performance. Beside that, the usage of this system very helpful in installation process of software application, upgrade, uninstall, and maintenance system. Those are because all of the processes run at the server by integrating a server administration application for thin client on LTSP server.

In implementing this system, we can use PC (Personal Computer) as class as 486 PC or Pentium I as the workstation or its terminal without completed by storage media and can use PC as class as Pentium III or Pentium IV 32 bits or AMD 64 bits as the server. LTSP will be been integrated in linux operating system version 2.6-11, mean while server administration application that been used is a web based application.

By using LTSP and server administration application which is integrated in it, the development of diskless thin client network will be more efficient in the usage of the hardware and the maintenance of the system become more practice with server administration application.

Keywords: thin client, dumb terminal, XTerminal, diskless, LTSP, linux, server, web