

ABSTRACT

The use of e-mail has now become an important part of data communications because of the ease and efficiency. The existence of e-mail must not be separated from the server to manage it. Selection of server depends on your needs. Zimbra become one of the alternative options that match current mail server aspect of the ease and grace of the construction of mail server is a priority, because it is open source. This would be more efficient when procuring mail server can also be done without the need to provide a resource to a server. Enabling technology is the cloud, and one that is being widely developed platform is Ubuntu Enterprise Cloud (UEC). However, due to cloud computing services are mostly located in the area scope of the packet network security aspects also need considerable attention. Due to the vulnerability of the security aspects of this we need a security system to keep the data on a server provider.

This final will discuss further aspects of data security on the UEC-based Zimbra. The test is implemented on a data leak prevention security system is the method of Data Loss Prevention (DLP) using MyDLP. MyDLP itself is free software and open source data loss prevention can prevent the flow of data that contains important information, eg credit card numbers, or data - important data of other companies that should not be accessed by unauthorized parties. After testing will be analyzed aspects of privacy, confidentiality, acces control and availability of data on the effect of data loss prevention is the Zimbra mail server.

From the test it can be concluded that not all aspects of security can be overcome with the addition of data loss prevention with firewall. The system is only able to provide security acces control, availability and confidentiality of data, but not for privacy. visible from sniffing the successful testing by the attacker. This shows that data loss prevention still has flaws and is designed only as a last defense against the existence of data security.

Keywords : *Cloud Computing, UEC, Zimbra, MyDLP*