

CHAPTER 4

ANALYSIS AND DESIGN

4.1 Desain of NFS

The first step to do is installing NFS and LDAP in Cetos 7.

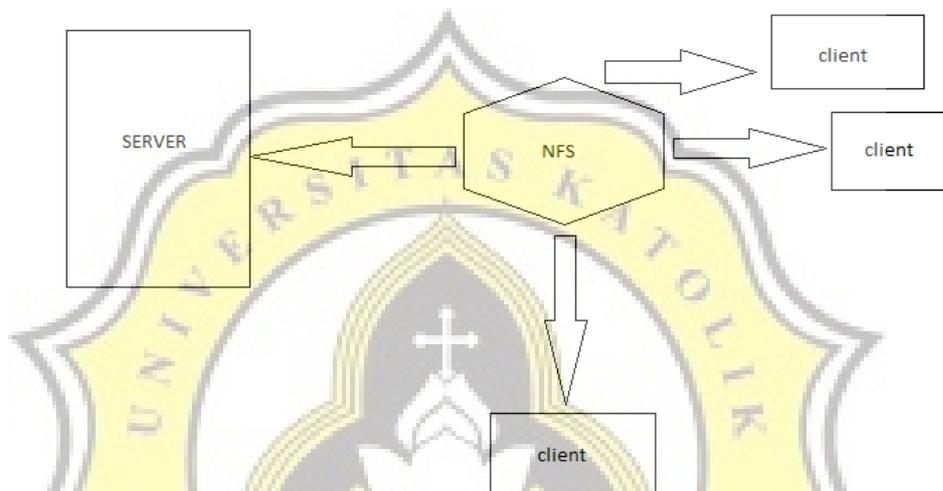


Illustration 4.1: flowchart of NFS

According to the illustration of the picture above we know when Client NFS wants to access file to the NFS server it will be done RPC (remote Procedure Call) through TPC / UID to NFSD (NFS Daemon) on the server. This RPC use directory which we want to used to access datas, user id and group ID from Client as an parameter. Didn't forget The IP Server calling The IP Client and The IP Client calling The IP Server. This parameter usually used to determine what The Client has the authorization or not to take or access that datas. For prevent the user not has authorization to read and modified the data, user and IP group must be equated in hosts. After access was given, Client can access it with the data directory is like in local disk.

4.2 Design of LDAP

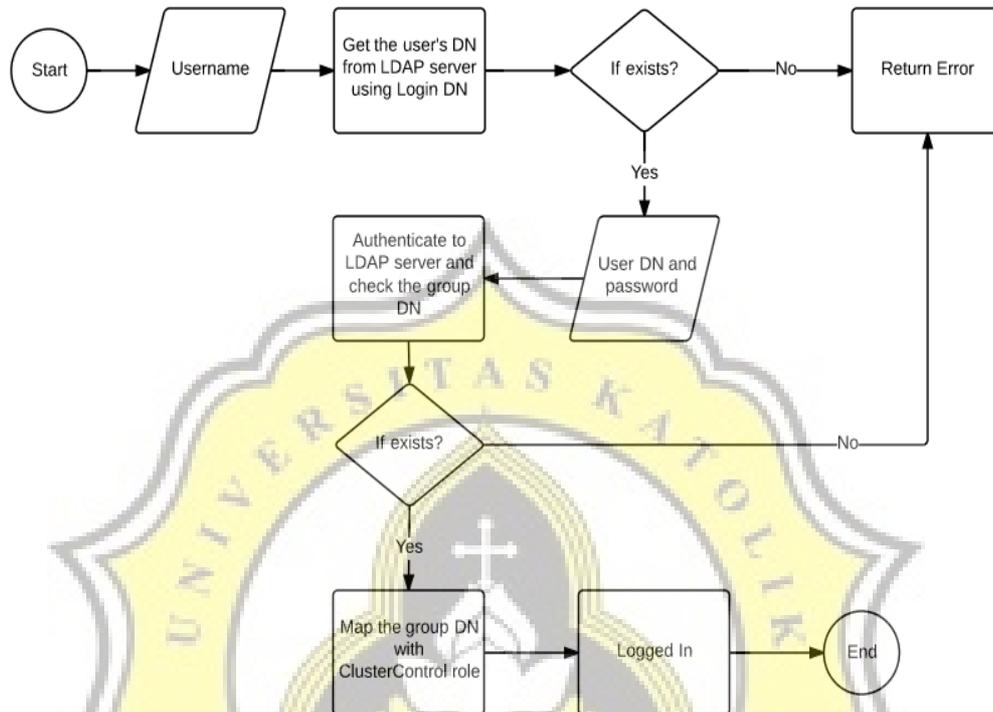


Illustration 4.2: flowchart LDAP

Picture above is one of the flowchart which has workstep from server to LDAP Client. According the illustration the first thing that must we do is make user name in LDAP server, after that we can continue it with make password to LDAP server. This is how to make LDAP configuraton. In this LDAP server, we only make user name password to make it can be access by the client. While for make a request to the server directory, user must enter the same password and user name like that made by the server. Don't forget to equate the IP Server and Client, it can be said the the Server calling IP Client and Client calling IP server.

4.3 Analysis

The design that overing in this project is used OS Cetos 7 and Instalation of NFS and LDAP server. Bassically from both of the server can sharing data to the client with use both of the server in this OS Cetos 7.

In NFS Server contain how file from server or from Client can connecting one to another or sent data from server to Client or otherwise with used NFS configuration steps.

While in LADP server almost same with NFS, but in LDAP server more complicated than NFS because in LDAP need to make user name password. Usually the difficulty of this LDAP server is causes significant error that will be occure in this server.

