In this proyect we develop a policy managament enviroment that uses an Open Source Implementation of the LDAP (Lightweight Directory Access Protocol) called openLDAP[1] To acces directories. OpenLDAP requires a backend or search engine to store and search information; for this, we use an Open Source tool called BerkeleyDB (BerkeleyDataBase)[2].
The introduction and visualization of information in the openLDAP is mainly provided for console and due that it is not really friendly. We use a free visual program called LDAP browser/editor[3]. With this program we easily introduce the policies, which have to be applied, we also can visualize them, modify or even to erase them.
Finally, there will be created a program that shows the utilization of the Policy-Based Management, as well as his simplicity and scalability. This program read policies from the openLDAP acting first as a decision point about which policies are going to be applied. The IETF (Internet Engineering Task Force) called it policy decision point (PDP)[4], where will be decided the policies to acting. Selected actions will be executed by the second point, called by the IETF Policy Enforcement Point (PEP).
The application will be created in the JAVA language because apart from being powerful and a flexible object – oriented language, we will need his API JNDI (Java Naming and Directory Interface)[5][6] who allows us to access directories and to read policies stored in the openLDAP and to finally applying them.