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LDAP Firewall and Proxy Characteristics in a Virtual Directory by [Darrell Fore](#)

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LDAP firewall is an application that is created to help avoid attacks like denial of service in which it can make the retailers of data or the data contained in them to become inaccessible to the calling application. While it is actually common for many companies to utilize separate software to acquire firewall protection for their environment, now it is actually attainable to make use of LDAP firewall through virtual directory.

A virtual directory includes LDAP firewall as certainly one of its main attributes to safeguard the primary stores of data and their data against DoS. It also functions LDAP proxy and when combined with firewall can generate excellent answer for security and information availability.

LDAP proxy that is certainly obtained through a virtual directory server is actually a lightweight middleware layer between the LDAP directory servers and clients for the purpose of load balancing, consolidated auditing, failover and many others. In situation any of the directories will show to be unresponsive or slow, the proxy will immediately switch the users or move them to the directories which might be obtainable in true time. The proxy will also help in balancing the loads in between back-end directories to make sure of an agile and a lot more efficient delivery of directory services.

A virtual directory server may also manage the access to directories based on the request, site and connection together with the rest of identity attributes of the client. It could even enhance the overall security of the databases and directories by acting as firewall through network restriction regulations and policies. Using a virtual directory, it really is doable to hide directory containers and obstruct attributes and forms of object for additional security on directory.

Since the virtual directory provides access to the current directory data regardless of the distributed nature of the database or directory infrastructure, the applications does not have to be changed when you'll find changes in the directory infrastructure.

A virtual directory also delivers another capability to organizations such as migrating off from Sun Directory server into one more type of database that the organization desires. This way, the data from the existing directory server can be migrated off towards the new database.

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