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Distinctive Use Cases and Solutions Supplied by a Virtual Directory by [Darrell Fore](#)

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A virtual directory is a service or technology created to integrate multiple sources of information transparently to an application. You will find several user instances for virtual directories for example making a view for users with attributes getting stored in a different and separate repositories, user and group object formatting for application and developing single, big directory from the smaller ones.

There are many use circumstances that a virtual directory has. Normally, it is most used easily to let the integration of application in an current environment. Right here are some of the use instances with their description and how a virtual directory can resolve concerns inside them.

The first use case is known as namespace integration. This requires integrating separate or disparate directories to make or form a single directory. The second use situation is delegated authentication in which handing over authentication to enterprise directory although creating use of an edge directory for identity data. The next use case is data transformation wherein it could transform the existing or current directory data to become used by an application.

One more use case is edge directory integration in which the virtual directory server will put with each other specified application directory information and facts to enterprise directory without having the must make adjustments to the enterprise directory. The final use situation is definitely the integration of net services. Lots of organizations specially these with internet services can advantage from the use of virtual directory because it may develop and update user facts.

A virtual directory can also be used as LDAP firewall wherein it has the capability of guarding the information stores against DoS or denial of service attacks. With this form of attack, the directories and databases are made unavailable or inaccessible towards the calling applications. This may perhaps make untoward circumstances but using the help of a virtual directory, attacks like this might be prevented.

Organizations also employ virtual directory as LDAP proxy which ensures the security of the data shops against people who may wish to access it even with out the permission of approval of the administrators. Applying a virtual directory can certainly advantage any organization in terms of data consolidation and security.

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[Darrell Fore](#) - About Author:

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