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A virtual directory is a service or technology developed to integrate various sources of information transparently to an application. You'll find several user instances for virtual directories such as developing a view for users with attributes being stored in a diverse and separate repositories, user and group object formatting for application and building single, substantial directory from the smaller ones.

You can find a number of use circumstances that a virtual directory has. Typically, it's most utilized readily to permit the integration of application in an existing environment. Right here are some of the use situations with their description and how a virtual directory can resolve difficulties inside them.

The initial use case is called namespace integration. This entails 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 following use case is information transformation wherein it can 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 facts to enterprise directory with no the have to make alterations for the enterprise directory. The final use situation would be the integration of internet services. Quite a few organizations especially these with web services can benefit from the use of virtual directory because it can create and update user info.

A virtual directory can also be employed as LDAP firewall wherein it has the capability of protecting the information retailers against DoS or denial of service attacks. With this form of attack, the directories and databases are made unavailable or inaccessible for the calling applications. This might produce untoward circumstances but with the assistance of a virtual directory, attacks like this can be prevented.

Organizations also employ virtual directory as LDAP proxy which ensures the security of the information shops against people who may perhaps desire to access it even without having the permission of approval of the administrators. Applying a virtual directory can absolutely advantage any organization when it comes to information consolidation and security.

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