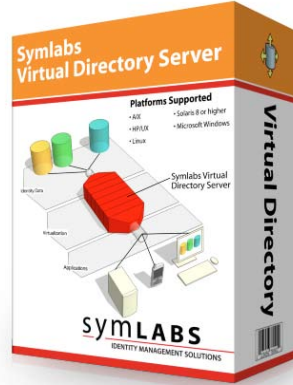


Symlabs Solution: Active Directory Encryption Symlabs Virtual Directory Server



Virtual Directory Server 5.1

- The fastest virtual directory server by industry benchmark test results
- Creates a high availability, 99.999% uptime identity data infrastructure
- Offers a single view of multiple data repositories, alters data on-the-fly
- Easily configured, adapts to a wide variety of applications, simplifies overall identity data management



Problem

It's rare for any organization to be without at least one Active Directory® (AD) server, and for many it is a fundamental part of their identity infrastructure. While it has many advantages, AD also has limitations and complexities that make an infrastructure difficult to manage and administer. Encryption is one area that can create problems for AD administrators. While an Active Directory instance may perform well without encryption, enabling TLS/SSL often brings a major hit, potentially impacting the entire infrastructure. TLS/SSL encryption is necessary for authentication across an insecure channel such as the Internet, so administrators who provision access for "external" parties are often forced to consider upgrading the AD domain's hardware. And, although it uses LDAP for communications, Active Directory demands a unique format and encoding for user password change requests, so a "standard" LDAP modify operation cannot be used. While not a problem for Windows-based tools, any user management applications designed for a normal LDAP environment may be incapable of sending password requests in the required format and therefore cannot be integrated into the infrastructure.

Solution

Symlabs Virtual Directory Server is a powerful middleware application that can behave as an LDAP proxy, creating a highly efficient TLS/SSL termination point to securely provision AD access for external clients. This allows independently configured front-end and back-end connectivity, so TLS/SSL can be offered to external applications without enabling it in Active Directory, thus avoiding the performance penalty. Symlabs Virtual Directory Server can also manipulate data within the network packets it routes between client applications and back-end servers, so any request or response can be modified on-the-fly so it conforms to expectations. Simple scriptlets can be created to intercept password change requests and establish compatibility between AD and LDAP user management tools. Also included is an ACL plug-in that can further improve overall security by adding data access controls specifically for external users without impacting the existing AD access rules.

Benefits

- Protect LDAP connections with TLS/SSL while improving performance
- Safely offer external queries without affecting existing AD infrastructure
- Create access rules specifically for external users for added security
- Integrate LDAP user management applications with an AD environment

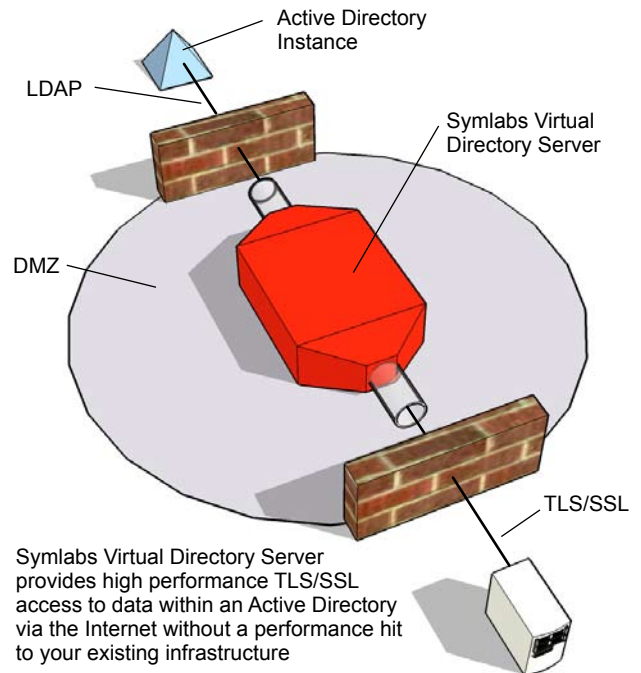
Partner



Microsoft®

About Microsoft® Active Directory® Service

Active Directory is a registered trademark of Microsoft, Inc. An LDAP-based directory services product developed by Microsoft, Active Directory is a central component of the Windows platform that provides a means to manage identities and relationships that make up network environments. Active Directory Service is commonly used to manage the Windows® domain infrastructure.



Symlabs Virtual Directory Server provides high performance TLS/SSL access to data within an Active Directory via the Internet without a performance hit to your existing infrastructure

About Symlabs

Symlabs is the performance leader for virtual directory and identity management solutions. Benchmarks show Symlabs Virtual Directory Server, LDAP Proxy, and Federated Identity Suite are the fastest and most powerful products in the industry for managing and unifying identity data. Global giants like Sony, IBM, Vodafone, Nokia and United Nations already depend on Symlabs to add flexibility, security, and reliability to their infrastructure. To download or to learn more visit www.symlabs.com.

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