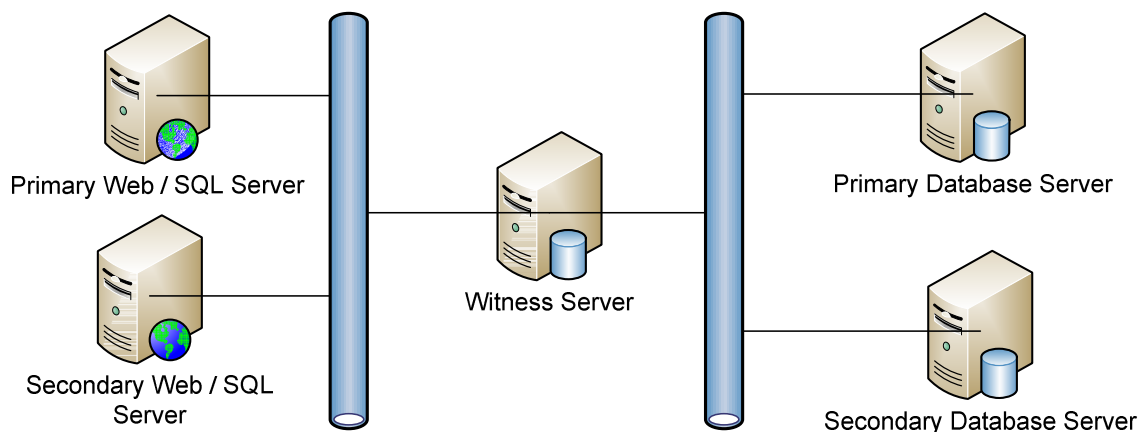


# Configuring Database Failover for Secret Server

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This document covers a real end-user implementation of a high availability for Secret Server using two web servers and two SQL Servers.

1. The environment is two web servers, a primary and a secondary. Each is both running Secret Server and has SQL 2005 installed.
2. Each SQL Server on the Web Server is set up using a Database Failover Cluster to link with another server running SQL Server called the "Witness Server". This is a feature of SQL Server 2005.
3. The witness server is configured using the Database Failover Cluster Wizard to act as a decider as to whether the web server should use the Primary Database Server or the Secondary Database Server. In the event that both servers are online, the Primary Database Server is used. If the Primary were to go offline, the Secondary Database Server is changed to the Primary Database Server. Once the original Primary Server comes back online, it is now the Secondary. The Cluster Failover Services in SQL 2005 keep the Primary Database and the Secondary Database in sync.
4. Below is a network diagram depicting the Server Environment



5. The two web servers are used in the event that if a web server were to go offline, another web server is available with the same data. A load balancer can be used in front of the web servers to determine which web servers are available. This would allow users to have to only know one address and the load balancer chooses which server to use.

The configuration described was implemented using SQL Server 2005, however SQL 2000 can be used.