Using SQL Safe on a Microsoft Windows Cluster environment

SQL Safe is comprised of multiple application components, each providing specific functionality in different areas of the product. These different areas of functionality have specific concerns when deploying in a clustered environment, as redundancy and high availability are an issue. The following table includes the applications and services that SQL Safe is comprised of, with a summary of the requirements of each to be fully fault tolerant using the Microsoft Windows Clustering technology. SQL Safe components can work in either *active-passive* or *active-active* cluster configurations.

Component	Clustering Configuration Considerations
SQL Safe Management Console	None.
SQL Safe Command Line	None.
SQL Safe Management Service	This component is responsible for managing operational and policy status and alerting for your entire SQL Safe deployment. If you require these SQL Safe functions to be fault tolerant, configure this component as a *Generic Service Resource* on a clustered server. You need to deploy this component only once onto a single cluster, not on each server you are backing up. For more information about installing the SQL Safe Management Service on a Windows cluster, see Installing management components in a clustered environment.
SQL Safe Repository Database	This component is a SQL Server database used to stored operational history and policy configuration information. The SQL Safe Repository Database is used by the Management Console to display operational history and by the Management Service to process and send alerts. For this component to be fault-tolerant, simply host the database on a clustered SQL Server.
SQL Safe Backup Service	This component is responsible for executing backup and restore operations on nodes hosting any clustered SQL Servers. You need to install this service only on each node of the cluster. No failover or cluster resource configuration is necessary. You can deploy the agent from the Management Console or the product installer.
SQL Safe Filter Service	This component is responsible for performing instant restore operations on nodes hosting any clustered SQL Servers. If you require that SQL Safe Instant Restore functionality be fault tolerant, configure this component via the SQL Safe Command Line. You should not configure this service as a clustered resource. Instead, a failover mechanism is activated via a *Generic Script Resource*, and is automatically configured for you using a SQL Safe command. For more information about installing the SQL Safe Filter Service on a Windows cluster, see Installing backup/restore components in a clustered environment.

SQL Safe is a high-performance backup and recovery solution for your SQL Servers. Learn more > >

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