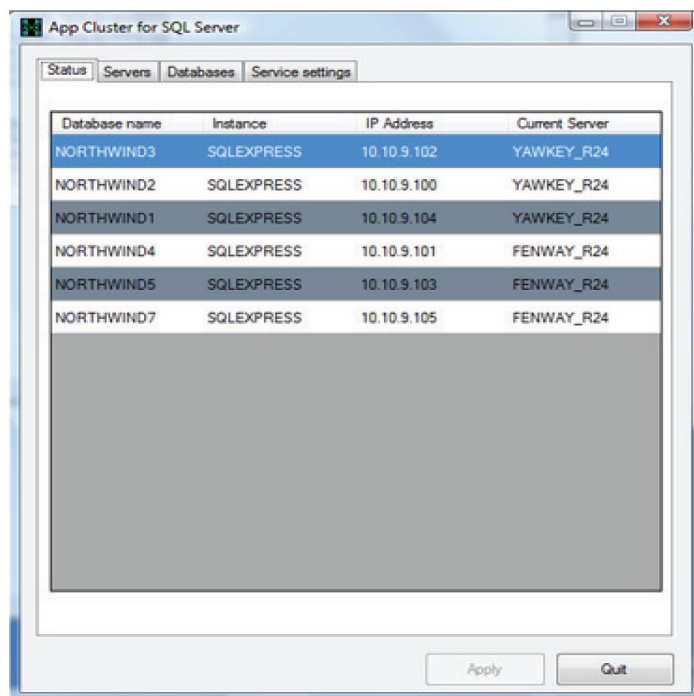


AppCluster

AppCluster software is a solution for managing active-active clusters of SQL Servers in conjunction with Sanbolic's clustered file system, Melio FS. This new product provides ease of management, large cluster sizes, high availability, very fast failover, and load balancing of multiple physical or virtual SQL servers accessing a single SAN LUN containing multiple data stores.

AppCluster utilizes the active-active storage access provided by Melio clustered file system and LaScala volume manager, so that all database servers can concurrently mount a shared LUN containing all databases. Both the number of database servers in the cluster and storage volume containing the databases can be dynamically expanded. The product uses a .NET based Windows service, and works in conjunction with Windows SQL Management Studio, providing an active-active clustering solution that is simple to configure and manage. It enables databases to be moved very quickly between SQL servers either for availability, or to better match server capacity with workload. Both planned and unplanned migrations of workloads are supported. It can be installed using any industry standard servers running SQL together with any industry standard SAN storage.

AppCluster has the ability to automatically balance SQL databases across the cluster, and can provision based on server weight. It integrates with Melio FS Quality of Service, so essential databases can be given priority access to storage bandwidth to optimize performance.



Benefits of AppCluster and Melio FS for SQL Server

Support for large cluster sizes

Can support 100's of nodes in the same cluster limited only by hardware

Faster failover times for minimum downtimes

Database consolidation and migration capability

Easy installation

Simple next-next-next installation and configuration

Failover environment can be set up in minutes

Storage and server hardware agnostic

Supports mixed OS environments

Both physical and virtual machines are supported

Virtual and physical machines can be mixed in the same cluster

Native support for SQL Management Studio

Melio performance optimization for OLTP workloads resulting in near wire speed performance

Ability to scale number of nodes and storage dynamically while active I/O is present

Supports SQL servers running on Windows 2003, 2008, 2008 R2

- Web edition (2008)
- Standard edition
- Enterprise Edition
- Data Center Edition

Evaluation software and a video demonstration of the solution is available at :

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