

Practical High Availability and Disaster Recovery for SQL Server and Applications



At a Glance

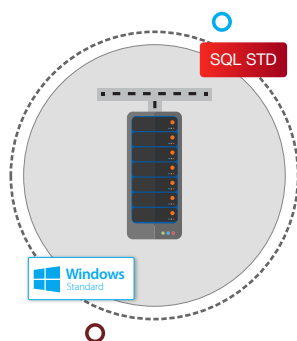
- Fully automated recovery for SQL Server and applications from failures within minutes
- Simpler and lower solution cost of ownership than SQL Server AlwaysOn Availability Group
- Integrated real-time data mirroring and continuous service monitoring
- Full support for SQL Server Standard Edition as well as Enterprise Edition
- Flexible support for physical or virtual SQL Server deployment on premises or in cloud

Overview

Microsoft SQL Server is relational database management system (RDBMS) software that supports a wide variety of transaction processing, business intelligence and analytics applications. SQL Server is currently the most popular RDBMS by volume and it is commonly used in many critical business application systems. As such, SQL Server outages can cause serious and extended negative impact on critical business operations.

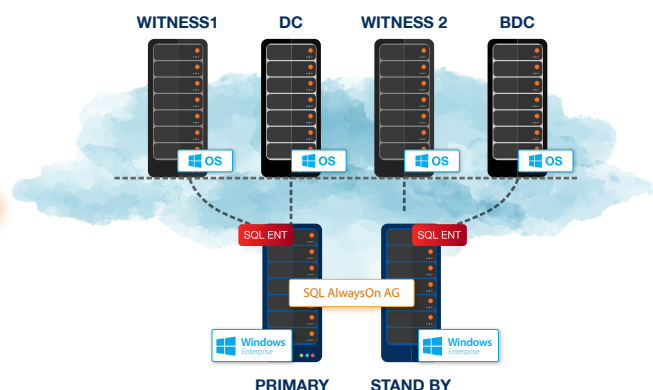
SQL Server is offered in Standard and Enterprise Editions targeting different scenarios. The Enterprise Edition offers the most features mainly targeting very large systems. The Standard Edition is designed for the mainstream market with some restrictions. It is the most implemented across the globe and fits the needs of the majority of the SQL Server user base. One deficiency of the Standard Edition is limited options for protection and recovery from failures. Microsoft officially recommends use of the SQL Server AlwaysOn Availability Groups (AAG) for high availability and disaster recovery (HA/DR). However, AAG is only available in the Enterprise Edition. So, Standard Edition users would need to upgrade to Enterprise Edition and implement a more complex infrastructure at much higher cost in order to achieve AAG based HA/DR solution without a single point of failure.

Standard Edition



900% Higher Total
Solution Cost &
Greater Complexity

Enterprise Edition

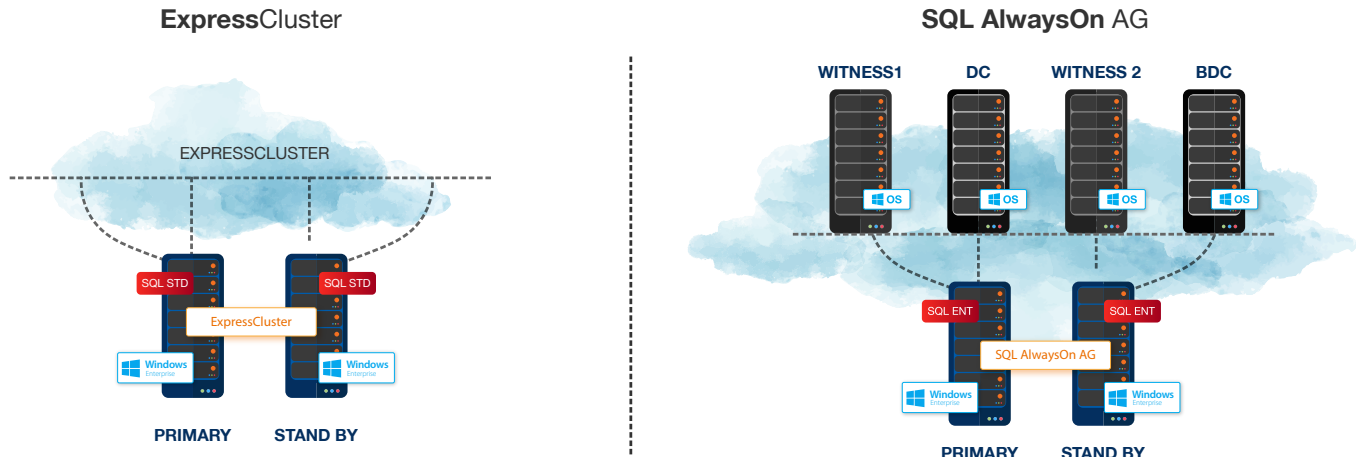


For many Standard Edition users the AAG solution is not really practical due to drastic cost and complexity increase. NEC ExpressCluster offers a practical alternative that provides a unified and comprehensive HA/DR solution that can better address the needs of most SQL Server users.

Simple, Cost-effective, Automated & Comprehensive SQL Server HA/DR Solution

ExpressCluster software enables HA/DR solution that provides fully automated near-instant recovery of SQL Server application services and data from hardware, software, network and site failures to avoid serious business disruption.

ExpressCluster supports SQL Server - Standard and Enterprise Editions with minimal infrastructure requirements, providing more cost-effective HA/DR solution. ExpressCluster offers significant reduced solution cost of ownership and complexity that are especially relevant for Standard Edition.



In general, ExpressCluster provides superior HA/DR features and capabilities, such as SQL Instance Monitoring and Automated Recovery, Fast and Efficient Data Mirroring, and Automatic Network Identity Configuration.

Additional ExpressCluster features that enable practical SQL Server HA/DR solutions include:

- No requirement for Active Directory, Domain Controller or Witness servers.
- No SAN or external shared storage required for full functionality.
- Protect and recover critical application services that use SQL Server.
- Web management console to easily monitor application and data health status.
- No specialized SQL database administrator expertise required to implement and use.
- No dependency on specific SQL database schemas, content or changes.
- Flexible deployment on physical or virtual machines on premises or in cloud.

Download a free 30-day trial of ExpressCluster X WAN Edition by visiting www.ExpressCluster.com/Eval

Please visit < necam.com > for more information or to request a free trial.

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