

everRun[®] for Microsoft SQL Server

PROTECTING JUST THE DATABASE IS NOT ENOUGH

Protecting Microsoft SQL Server and its databases is a top priority for many businesses, but it is generally not enough. If the application working in conjunction with SQL Server is not also protected, business operations will be disrupted. All but the simplest database applications include a separate application component that includes business logic, user interface control, and sometimes communication with other applications or networks. Applications may include in-memory data or file system data, in addition to SQL Server data, all adding to the complexity of the protection challenge. Typical SQL Server applications include order entry, manufacturing control, inventory management, purchasing, along with many industry-specific applications.

PROTECTING THE SQL DATABASE AND THE RELATED APPLICATIONS

everRun software protects both SQL Server and the related applications from:

- Unplanned server downtime and operator errors
- Planned downtime due to reconfiguration, hardware and software upgrades
- Data loss or corruption
- Site failures or disasters

everRun products offer a unique set of features and benefits that make everRun a great choice for protecting Microsoft SQL Server and related database applications:

- Higher levels of availability than competing failover solutions
- Selectable fault-tolerance using a range of everRun products along with the “availability dial” of everRun VM

- Simple to install and manage with no need for specialized staff experience or training
- Solutions for both virtual and physical environments
- Solutions for local, near distance and long distance availability and data protection
- Choice of either locally-attached or networked storage
- Built-in failover policy eliminates complex policy definition and the potential for policy errors
- Sophisticated error detection is faster and more reliable than simple heartbeats
- Cost effective for a wide range of SQL Server environments
- Application transparency allows database applications to be protected along with SQL Server, without the need for failover scripting or other application-specific procedures or knowledge

everRun VM. Basic failover, component-level fault tolerance and system-level fault tolerance (Q1 2009) for SQL Server and coupled applications running in virtualized environments.

everRun FT and everRun HA. System-level (FT) and component-level fault tolerance (HA) for SQL Server running in physical environments.

everRun SplitSite. Extends everRun VM, FT and HA protection to separate data centers for site-wide protection.

everRun DR and everRun CDP. Disaster recovery and continuous data protection that extends the protection offered by the everRun availability products.

WORDWIDE HEADQUARTERS

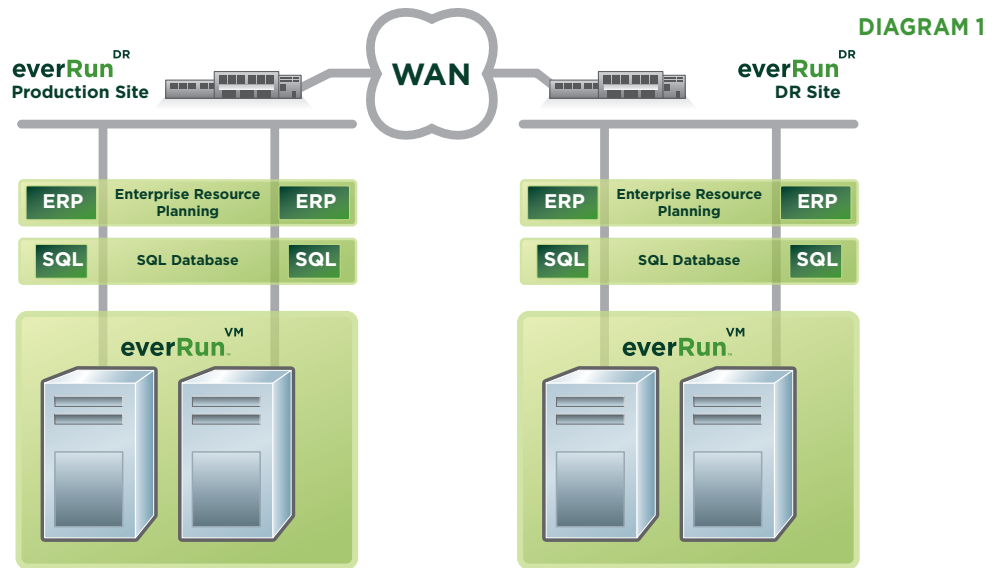
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everRun SQL SERVER HIGH AVAILABILITY AND DISASTER RECOVERY PROTECTION

Diagram 1 shows SQL Server, along with an ERP application, in a disaster recovery scenario using everRun DR across two extended distance sites. everRun VM is used for local availability protection as well as to simplify management and reduce cost of the disaster recovery solution. Data is replicated across the two sites in real time using everRun DR. SQL Server disaster site failover is also managed by everRun DR.



SQL SERVER AVAILABILITY AND GEOGRAPHIC FAULT TOLERANCE PROTECTION

Diagram 2 shows SQL Server, along with a medical application, with protection provided by everRun FT and everRun HA across two separate sites using the SplitSite option. A pair of servers – one located at the primary site and one at the backup site – protects SQL Server using everRun HA. A second pair of servers, also split between the two sites, protects the medical application using everRun FT. The sites are connected using a high-speed network link. The combination of everRun HA, everRun FT and everRun SplitSite provides all the benefits of everRun local protection while adding protection for site failures and local disasters.

