



## Application Notes

SynopSYS Redundant Solutions

Feb 2010

Dear Colleagues,

From time to time, a question arises regarding the SynopSYS capability to offer a failover solution to cope with a disaster. The following are several off-the-shelf solutions which can cope with this need and support SynopSYS to recover from server failure and to avoid loss of data. The first solution (Marathon everRun) has been implemented in one of our biggest projects in Israel.

Sincerely,

Yuval Temam

Product Marketing Manager  
Integration Division

### Marathon System

Founded in 1993, Marathon Technologies is the only provider of fault-tolerant, automated, high availability and disaster recovery software for physical and virtual servers. Marathon's everRun software prevents outages and data loss – without IT intervention - in Microsoft Windows Server and Citrix XenServer infrastructures.

#### How everRun Works

Simply stated, everRun software pools the resources of two standard Windows servers into a single operating environment. everRun virtualizes these two servers to appear and operate as one for the purpose of ensuring high availability for your Windows application. You can run your applications without modification. The two Windows servers truly appear and operate as though your application was operating on a single standalone server. This single virtual server appears to the rest of your environment with one identity and one IP address. Your application/VM workload only sees this single virtual server, where it is installed and operated.

everRun continuously monitors and tests all I/O components. When a failure occurs, the software immediately redirects I/O away from failed devices to redundant devices. Your application continues to operate without interruption—and without loss of data.

To read more: <http://www.marathontechnologies.com/index.html>

## Symantech (Veritas)

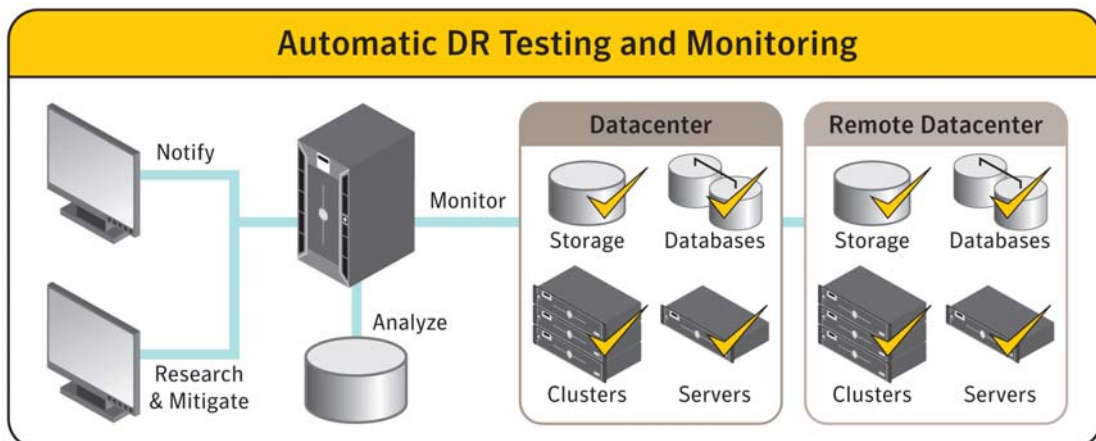
Symantec was founded in 1982 by visionary computer scientists. The company has evolved to become one of the world's largest software companies with more than 17,500 employees in more than 40 countries. We provide security, storage and systems management solutions to help our customers – from consumers and small businesses to the largest global organizations – secure and manage their information-driven world against more risks at more points, more completely and efficiently than any other company.

### Veritas CommandCentral Disaster Recovery Advisor

Disaster Recovery Advisor is a comprehensive high availability and disaster recovery monitoring and analysis solution which automatically scans the data center to detect HA/DR risks and vulnerabilities. It scans storage, servers, databases, clusters and replication infrastructures using a knowledge base containing over 2,500 risk signatures. When gaps are discovered, the software alerts the system administrator so the issues can be resolved before business operations are impacted. As an agent-less solution, the implementation of Disaster Recovery Advisor is unobtrusive and non-disruptive, operating in read-only mode. Monitoring and management is simple with status dashboards that provide detailed insight into the data center's environment. The software is simple to use and easy to manage for system administrators.

To read more:

[http://www.symantec.com/business/products/whitepapers.jsp?pcid=pcat\\_business\\_cont&pvid=cc\\_dra\\_1](http://www.symantec.com/business/products/whitepapers.jsp?pcid=pcat_business_cont&pvid=cc_dra_1)

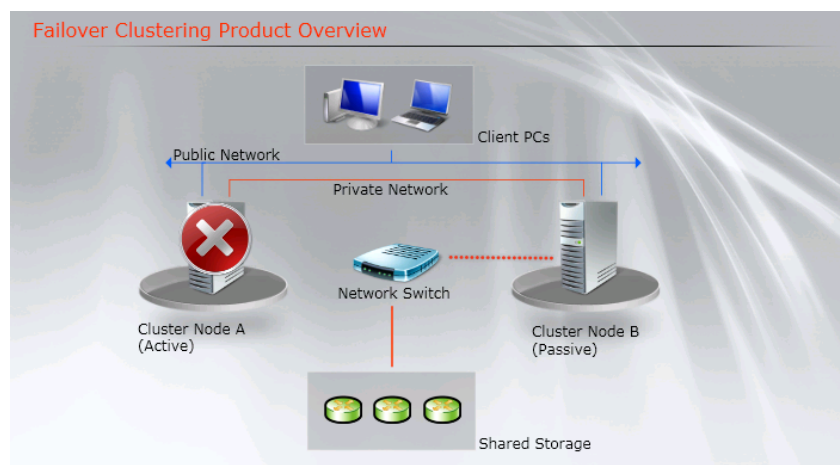


## Microsoft win server 2008

Providing High Availability to mission-critical applications, services, and data is a primary objective of successful IT departments. When services are down or fail, business continuity is interrupted, which can result in significant losses. Failover clustering in Windows Server 2008 R2 helps ensure that your mission-critical applications and services, such as e-mail and line-of-business applications, are available when you need them.

The improvements to failover clusters in Windows Server 2008 and Windows Server 2008 R2 are aimed at simplifying clusters, making them more secure, and enhancing cluster stability.

To read more: <http://www.microsoft.com/windowsserver2008/en/us/failover-clustering-r2.aspx>



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