

## Re: Portents of VMS death

**Source:** <http://unix.derkeiler.com/Newsgroups/comp.os.vms/2003-06/0368.html>

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Sorry for top posting...

Every time I reply to a post of Kerry's, it never quotes properly.....

Excerpted from <http://h71033.www7.hp.com/object/rdfpd.html>

"HP NonStop servers are at the top of the single-system high-availability pyramid. But there are times when you want to geographically distribute your application processing to protect it from a site failure or regional disaster.

For more than a decade, major companies relying on the world's leading fault-tolerant computing platform, the NonStop server, have also turned to HP NonStop Remote Database Facility (RDF) software to replicate critical data and enable uninterrupted service. With NonStop RDF software, one can ignore the concept of primary and backup systems, but think in terms of primary and backup databases. You can implement a wide variety of configurations, including multiple backup databases for each primary database or a single backup for multiple primary databases. And every source and target system can be running live transactions.

Using the audit log generated by HP NonStop Transaction Management Facility (NonStop TMF) software, changes to primary databases are instantaneously replicated to backup databases on one or more target systems, no matter how many transactions per second your application generates. If a primary database becomes inaccessible for any reason, processing can continue using the backup database with minimal service disruption or data loss.

NonStop RDF software only replicates databases designated as critical by the customer. As transactions are applied to the primary database, changes are replicated to the backup database, which can be used for billing, decision support, reporting, or other activities. NonStop RDF software does not place limits on the type or distance of the communications link.

## comp.os.vms: Re: Portents of VMS death

Application processes that cannot tolerate any data loss whatsoever can request that transactions be lockstepped between the primary and backup databases. A simple system call ensures that the process cannot continue until the changed data is safely stored on the target system.(2PC in other words??) The application decides which transactions should or should not be lockstepped for maximum flexibility.

Optimized throughput for instantaneous database mirroring  
NonStop RDF software minimizes the effects of regional disasters by efficiently sending audit trail information to one or more target systems. Active throughput is approximately 3 megabytes per second per audit trail, and if the two systems somehow become d