

CA ARCserve® D2D Proves To Be Superior Data Recovery Tool Over Symantec BESR

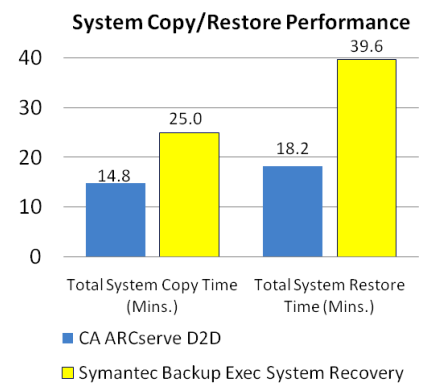
Category and Weight (%)	CA ARCserve D2D r15	Symantec BESR 2010
Backup and Restore (30%)	A	B
Performance (30%)	A	C
Ease of Use (10%)	A	C
Reports (10%)	A	A –
Deployment (10%)	A –	B +
Documentation (10%)	A	C
Overall Score	A	C

Network Testing Lab Independent Review Shows:

- ARCserve D2D is **more scalable, much easier to use, more technically advanced and offers more features** than Symantec's Backup Exec System Recovery.
- ARCserve D2D is **faster, more reliable, more efficient and less expensive** than the competition
- ARCserve D2D easily performs **bare metal restores** to dissimilar hardware, **uses only a fraction of the computing resources** consumed by Backup Exec System Recovery and provides a **unique Web 2.0-based interface** that's intuitive and responsive.
- ARCserve D2D is **painless and effective insurance** against lost or damaged data.

Faster Backup and More than Double the Recovery Speed

With ARCserve D2D's **patent pending Infinite Incremental technology**, the data administrator need **only perform a full backup once**. Thereafter, CA ARCserve D2D stores incremental backups that, on demand, automatically turn into a full backups based on whatever date and time you specify. By contrast, Backup Exec System Recovery requires you to overtly delete older recovery points sets (ie. a full backup plus incremental) to make room for new data backups.



This chart contrasts the time that CA ARCserve D2D and Backup Exec System Recovery each took, on average, to do system copy/restore operations over a simulated one month time period.

With **Synthetic Full Backup** at the file level and **Infinite Incrementals** at the block level, **CA ARCserve D2D was nearly 70% faster than Symantec**, with ARCserve D2D needing only 14.8 minutes for a system copy but Backup Exec System Recovery requiring a full 25 minutes. Even more impressive, **the CA ARCserve**

D2D restore operation took only 18.2 minutes, compared to Backup Exec System Recovery's sluggish 39.6 minutes. Less wait time for a data recovery operation gets your organization back to work quickly.

Easier to Use with Web 2.0 interface

ARCserve D2D's user interface was **not only more responsive** than Backup Exec's, it was **far easier to understand and navigate**. Configuring Backup Exec System Recovery to use Microsoft VSS to create snapshot backups (rather than the proprietary default) is a perfect example – the option is buried several levels deep in the Backup Exec System Recovery user interface.

ARCserve D2D's **Web 2.0 interface** gave us the ability to remotely access all our protected servers, change configuration settings, check the status of our backups and restores, initiate backup jobs and launch remote recoveries – **all via the Internet**. It provides real-time access to the latest documentation updates, invaluable technical data, helpful tips and online user communities.

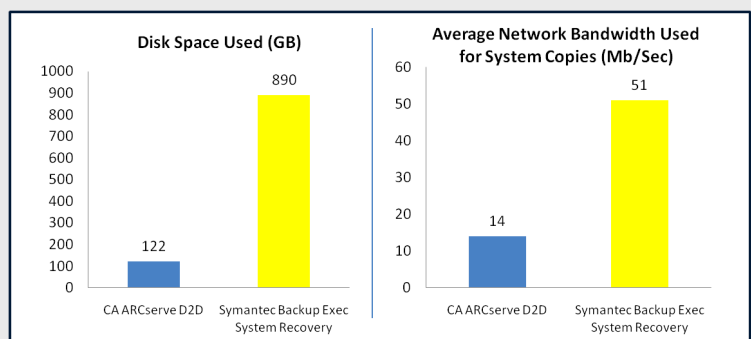
CA ARCserve D2D is so easy to use that – if your corporate policies permit – **end users can perform their own file restorations**, thus saving administrators considerable time. Administrators can focus on more critical, more global problem solving and management.

Less Disk Space With Nearly 1/4 the Bandwidth

The left chart below graphically shows **ARCserve D2D's advantage in conserving disk space** after just four weeks of simulated backup copies of multiple servers and clients. **ARCserve D2D needed just 122 GB** to store a full backup plus a series of incremental backups, while **Backup Exec System Recovery required 890 GB**.

CA ARCserve D2D's Infinite Incremental technology gave another significant advantage – because it didn't have to copy gigabytes and gigabytes of data to make periodic full backups, **ARCserve D2D used far less network bandwidth**. ARCserve D2D recreated the full backups from its store of incremental backups.

The chart on the right below graphically illustrates the bandwidth requirements of ARCserve D2D and Backup Exec System Recovery. Backup Exec System Recovery consumed 51 Mb/Sec of bandwidth to do the same work that ARCserve D2D used only 14 Mb/Sec to accomplish.



CA's ARCserve D2D outperformed Symantec's Backup Exec System Recovery in every category. We attributed ARCserve D2D's faster performance to its greater maturity, the CA developers' greater attention to detail and, of course, CA's Synthetic Full Backup technology.

Server migrations are a snap with ARCserve D2D's bare metal recovery (BMR) technology. While Backup Exec System Recovery also offers BMR, we noted that it was slower than ARCserve D2D and D2D was easier to use.

Source: Independent review from Network Testing Labs Published, August 2010*. To view the full review, visit www.arcserve.com

The Fine Print

Testbed and Methodology

Virtually all testing took place across 512 kb/s frame relay, T1 and T3 WAN links. The testbed network consisted of six Fast Ethernet subnet domains routed by Cisco routers. The lab's 150 clients consisted of computing platforms that included Windows 2000/2003/XP/Vista/Win7 and Red Hat Linux (both server and workstation editions).

The relational databases on the network were Oracle 8i, IBM DB2 Universal Database, Sybase Adaptive Server 12.5 and Microsoft SQL Server 2005. The network also contained three Web servers (Microsoft IIS, Netscape Enterprise Server and Apache), three e-mail servers (Exchange, Notes and Sendmail) and several file servers (Windows 2003 Server).

The virtual computing environments consisted of VMware and Microsoft Hyper-V.

A Compaq Proliant ML570 computer with four 900 Mhz CPUs, 2G bytes RAM and 1.3 T bytes hard disks, running Windows 2000 Advanced Server, Windows 2003 Advanced Server and, at other times, Red Hat Enterprise Linux, was the test platform for all the products' server components.

About Network Testing Labs

Network Testing Labs performs independent technology research and product evaluations. Its network laboratory connects myriads of types of computers and virtually every kind of network device in an ever-changing variety of ways. Its authors are networking experts who write clearly and plainly about complex technologies and products.

Network Testing Labs' experts have written hardware and software product reviews, state-of-the-art analyses, feature articles, in-depth technology workshops, cover stories, buyer's guides and in-depth technology outlooks. Our experts have spoken on a number of topics at Comdex, PC Expo and other venues. In addition, they've created industry standard network benchmark software, database benchmark software and network diagnostic utilities.

About the Author

Barry Nance is a networking expert, magazine columnist, book author and application architect. He has more than 29 years experience with IT technologies, methodologies and products. Over the past dozen years, working on behalf of Network Testing Labs, he has evaluated thousands of hardware and software products for ComputerWorld, BYTE Magazine, Government Computer News, PC Magazine, Network Computing, Network World and many other publications. He's authored thousands of magazine articles as well as popular books such as *Introduction to Networking (4th Edition)*, *Network Programming in C* and *Client/Server LAN Programming*.



To view the entire Network Testing Labs report, visit

www.arcserve.com

*Commissioned by CA

Copyright © 2010 CA. All rights reserved. All trademarks and service marks referenced herein belong to their respective companies. Use of this product is subject to applicable license agreement. All product information is subject to change without notice.