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Computer Associates®

BrightStor® ARCserve® Backup r11.5 for Windows

BrightStor® ARCserve® Backup for Windows offers world-class data protection for distributed servers, databases and applications, as well as clients for multiple environments, including Windows, UNIX, Linux, and NetWare. With its wide range of powerful, easy-to-use data protection tools, BrightStor ARCserve Backup ensures the integrity and availability of your most important asset—data

Top Three Key Features

- Complete data protection solution for Windows
- Wide Platform and Application Support
- Centralized Management of the Backup Environment

What's New

- Disk Staging Backup (D2D2T)
- Microsoft SharePoint Agent
- 64 bit platform support
- Regulatory compliance enhancements

Supporting Environments

- Windows 2003/2000/XP
- IBM AIX, SUN Solaris, HP-UX, Tru64
- Redhat Enterprise Linux, SuSE Linux Enterprise Server, TurboLinux, Red Flag, Miracle linux and Asianux
- Novell NetWare

Access to Information Is Key to Success

In an increasingly competitive business environment, the availability of information is often the differentiator between success and failure. The proliferation of the Internet and the movement towards on-demand computing has only heightened the need to effectively leverage information assets to increase revenue and profit opportunities. And at the heart of an organization's information assets are its data resources.

With all the potential disasters in today's world — fire, flood, theft, hardware failure, human error, virus attacks and so forth — every organization needs to protect its data and ensure its continued availability.

As businesses grow, so do their storage requirements, and data protection environments can become extremely complex. As a result, businesses demand exceptional flexibility from software tools. To meet the rising need to manage data growth and provide around-the-clock availability, many organizations are deploying the latest storage technologies, including Storage Area Networks (SANs), Network-Attached Storage (NAS) and Disk Arrays.

The ideal data protection solution must address the business demands for high performance and availability, scale with the environment and leverage new storage paradigms such as SAN, NAS, snapshot capable disks and cross-platform management across the entire enterprise, including multiple operating systems and applications.

Protecting the Enterprise's Critical Information Assets

BrightStor ARCserve Backup ensures the protection and availability of critical business data. BrightStor ARCserve Backup for Windows uses award-winning, innovative technology to deliver complete data protection across the enterprise for Windows, UNIX, Linux and NetWare systems. BrightStor ARCserve Backup provides several key benefits, including:

- **Protection of Critical Business Assets.** BrightStor ARCserve Backup provides data protection for all leading operating systems, hardware platforms and applications.
- **High Performance.** BrightStor ARCserve Backup leverages multiple methods, including backup to disk, disk staging, multiplexing and multistreaming among others to provide high-performance, non-disruptive backup and restore operations to mission-critical information and data assets.
- **Simplified Administration.** The simple to use interface provides full automation and centralization of traditional data protection tasks for distributed and enterprise environments.
- **Scalability.** BrightStor ARCserve Backup provides a complete backup solution regardless of the size or type of your organization. Even the largest enterprises can use BrightStor ARCserve Backup to

protect all of their data, including those from their distributed branch offices from one centralized server. The advantage lies in that every BrightStor ARCserve Backup option supports many configurations and platforms, including Windows, Linux, NetWare and UNIX.

Distinctive Features and Functionalities

Extensive Operating Platform and Application Support

Protection of Critical Application Data. BrightStor ARCserve Backup has application-specific agents to support all the leading applications, such as Microsoft SQL Server, Microsoft Exchange Server, Microsoft SharePoint, Oracle, Lotus Domino, SAP R/3, Sybase and many others. They ensure data integrity by protecting the transaction log, archive log and journal files along with the data, and also allows advanced operations such as tablespace backups and restores.

- **Protection for all your Platforms.** BrightStor ARCserve Backup can protect remote servers running all leading operating systems such as Microsoft Windows, Novell NetWare, various Linux distributions, UNIX derivatives, AS400, MAC OS X, and VMS.
- **Microsoft Exchange Advanced Backup and Restore Support.** BrightStor ARCserve Backup provides optimized document-level backup and restore

of Microsoft Exchange environment. Single Instance Storage (SIS) support ensures that only single copies of duplicate attachments are backed-up, improving backup and restore performance as well as reducing backup media usage.

- **VSS Snapshot Support.** BrightStor ARCserve Backup can backup any application that supports Microsoft VSS interface. This gives you out of the box backup support for a large number of applications. In addition, Transportable VSS snapshot support provides zero impact backup and very fast restore capabilities.
- **Open File Agent.** Using Open File Agent, all files, even those locked by running applications can be successfully backed with no application downtime.

High Performance Backup and Restore

- **Integrated Backup to Disk.** Backup to disk allows users to use disk technology as an intermediate step in the backup process. Faster access speed and higher reliability of disk technologies ensures reduced backup and restore time as well as higher success rate for backups.
- **Hardware Snapshot Support.** BrightStor ARCserve Backup can leverage snapshot capabilities in disk arrays to provide instantaneous data protection without impacting the production server.

- **Multiplexing Capabilities.** Multiplexing enables up to 32 jobs to write to the same tape media simultaneously. This technology not only reduces backup window, but also makes efficient use of tape libraries and media.
- **Multistreaming.** Multistreaming allows backing up large databases to multiple tape drives simultaneously, reducing backup time.
- **Bare Metal Recovery.** BrightStor ARCserve Backup bare metal recovery that allow servers to be recovered from catastrophic failures quickly and easily, without the need for reinstalling operating system.

Extensive Device and Media Support

- **Cross-Platform SAN Support.** With BrightStor ARCserve Backup, multiple platforms (such as UNIX, Linux and Windows) can share tape libraries and other storage devices on a SAN without the need to logically partition or zone the device reducing cost and management overhead.
- **Small Library Support BrightStor ARCserve Backup** r11.5 includes support for a tape libraries with one drive and unlimited slots without the need for BrightStor® ARCserve® Backup Tape Library Option
- **NDMP Support.** BrightStor ARCserve Backup can back up to tape drive and libraries attached directly to NAS devices. Three-way NDMP support is also included.

- **Multiple NIC Support.** Multiple NIC cards can be installed to create a separate storage network without the costs associated with deploying a SAN. This can help to avoid data bottlenecks and improve backup performance.
- **Off-Site Vaulting Integration.** BrightStor ARCserve Backup is designed to play a key role in your overall disaster recovery plan. It provides advanced media management for Windows servers and integrates smoothly with your off-site vaulting provider (such as Iron Mountain and others).
- **WORM Device Support.** BrightStor ARCserve Backup supports a variety of Write-Once-Read-Many (WORM) devices, making it easy to maintain a legal compliance.
- **StorageTek Automated Cartridge System Library Software (ACSLS) and IBM 3494 Libraries support.** Through its corresponding agents, BrightStor ARCserve Backup enables you to use these advanced libraries to protect your entire infrastructure.

Ease of Deployment and Administration

- **Command Line Interface.** Common data protection functions can be run directly from the command line, from scripts and also from other automation solutions like Unicenter® Network and Systems Management.

- **Integrated Antivirus Capabilities.** Integration with industry leading *e*Trust™ Antivirus solution ensures the backed up data is reliable and virus free.
- **Extensive Reporting Capabilities.** BrightStor ARCserve Backup includes extensive list of predefined reports, including Real-Time Backup/Restore Statistics, Recovery Report which can also be sent via email.
- **Multiple Language Support.** BrightStor ARCserve Backup is localized in most common European, Asian and South American languages.

Supported Environments

- Microsoft Windows 2000, 2003, XP
- Redhat Enterprise Linux, SuSE Linux Enterprise Server, TurboLinux, Red Flag, Miracle linux and Asianux
- IBM AIX, SUN Solaris, HP-UX, Tru64
- Novell NetWare

For latest and detailed information on supported environments please visit: http://ca.com/arcserve/winsupport

What's New in r11.5

- **Disk Staging Backup (D2D2T).**
  D2D2T shrinks backup time by
  allowing backup data to be staged to
  fast disk drives before it is
  automatically moved to tape. Restore
  requests are redirected to disks
  automatically, reducing recovery time.
  The whole operation is policy driven,
  reducing cost and management
  overhead. (See Figure 1)
- **Microsoft SharePoint Support.**
  BrightStor ARCserve Backup can
  identify and efficiently backup Microsoft
  SharePoint and all its components.
- **64 Bit Platform Support.** r11.5
  release will allow you to leverage the
  performance and scalability benefits of
  64 bit hardware platform in backup
  servers as well as protect applications
  running in 64 bit operating systems.
- **Windows 2003 OBDR.** With Windows
  2003 One Button Disaster
  Recovery(OBDR) support, bare metal
  recovery of the failed server can be
  performed by booting from a tape
  drive, saving time and resource.
- **Regulatory Compliance
  Enhancements.** Features like Netapp
  Snaplock support, IBM Worm and
  LTO-3 Worm support will enable
  system administrators perform backups
  as per regulatory requirements
- **Smart Restore Capability.** If
  BrightStor ARCserve Backup
  encounters a bad media, it redirects
  the restore job to other media
  containing the same data without any
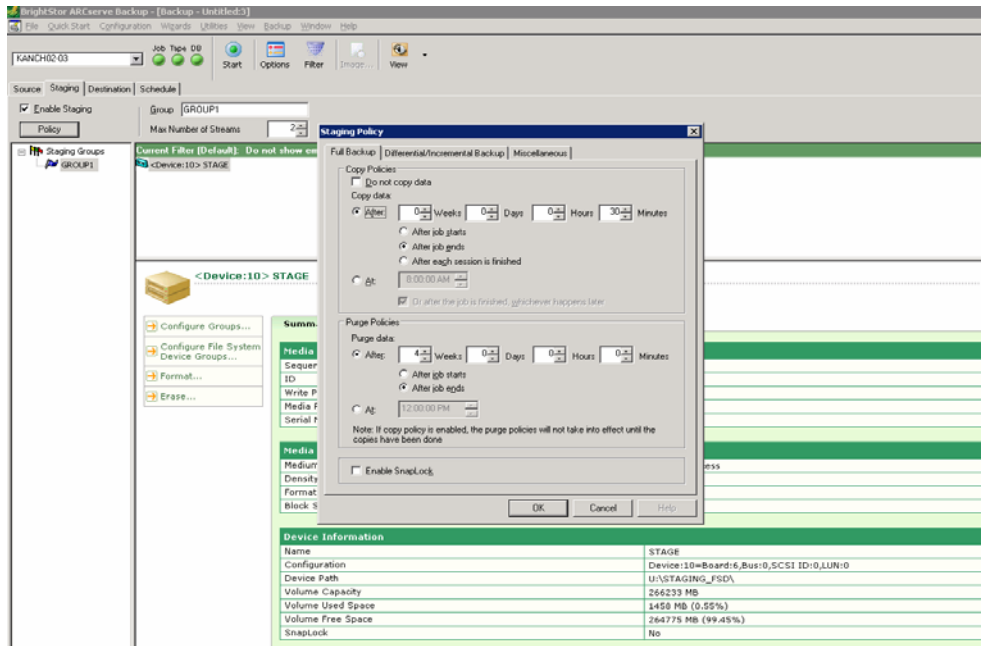 manual intervention, reducing need for
  human intervention and restore time

Figure 1: BrightStor ARCserve Backup Disk Staging functionality allows policy based movement of backup data from disk to tape

- **Support for Virtual Machine
  Sessions.** Windows Virtual Server,
  Windows Virtual PC as well as VMware
  sessions hosted on servers can be
  protected using BrightStor ARCserve
  Backup.
- **Incremental/Differential VSS
  support.** VSS Incremental/Differential
  backup support will reduce the time
  needed to backup applications
  supporting Microsoft VSS framework

For more information,
call 1-877-246-3674
or visit ca.com

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