IBM

Tivoli® software

Bet you didn't know that …
Tivoli software can help you maximize the availability of health data while minimizing storage costs.

Highlights

- Retain and help protect data in accordance with your facility's best practices and with regulatory requirements

- Help minimize the operational cost of storing exponentially growing amounts of data

- Facilitate rapid retrieval of important health data, whether treating an individual patient or addressing a viral outbreak or other emergency

How can you address the growing burden of managing information cost-effectively and maintain — or even improve — your standard of care?

The data storage requirements for a healthcare provider are among the largest and most demanding in any industry. As diagnostic technology has advanced rapidly, the amount of information that a healthcare facility must manage has grown exponentially. A provider must handle digitized paper records, digital images, video, sono-grams, PET scans, CAT scans, X-rays and much more. Concerns about storing terabytes of data are giving way to a need to manage petabytes of information kept on very large networks of heterogeneous storage media.

What does that mean from a business perspective? First, the costs of storage must be controlled. Low-priority, infre-quently accessed data should be moved to lower-cost storage media. And storage management needs to be automated as much as possible to minimize the information technology (IT) operations costs associated with ever-increasing amounts of data.

Second, the information must always be available to clinical staff in ways that make them more efficient and help them deliver a high level of care. Too much information creates clutter that slows staff down, but not being able to access relevant information quickly is similarly unacceptable.

Third, data must be retained and protected in accordance with your business policies and to address regu-lations such as the Health Insurance Portability and Accountability Act (HIPAA).

Centralized storage management is the key
IBM Tivoli® storage management solu-tions for healthcare help you address the challenges associated with growing amounts of health data. With Tivoli software, you can centrally manage

data across your organization — from a variety of personal computers and servers running a wide variety of operating systems, and stored on heterogeneous media. You can use Tivoli storage management software to:

- Simplify the storage infrastructure by consoli-dating similar devices, centralizing management and automating common tasks — all of which help minimize operational cost.
- Help protect your data from failure and other errors so that it can quickly be made available exactly where it is needed.
- Facilitate efforts to meet the data backup, disaster recovery, emergency operations and information access control requirements of HIPAA — as well as your own business policies.

To better understand the potential benefits of Tivoli storage manage-ment software for healthcare facilities, consider a composite example that represents the experiences of several IBM customers. A nationally recognized U.S. hospital that is located in a large city has more than 3,500 employees. Prior to using an IBM solution, this hospital had out-of-control storage maintenance costs. Faced with the responsibility to manage more than 100 servers that each had its own

storage and tape drives, the hospital had to dedicate significant staff time to managing disparate backup routines and maintaining underutilized systems.

Furthermore, the hospital's failover procedures could not guarantee clinical staff access to data in the event of a power failure. Additionally, the hospital wanted to digitize paper records and X-ray films, which would quadruple its storage capacity costs.

When the hospital turned to Tivoli storage management software, it obtained a highly scalable, highly reliable storage infrastructure that actually helps to lower costs. Although its IBM storage environment had five times the capacity of its previous platform, storage costs were cut in half. Why? Because the hospital has fewer disparate devices to manage and those that remain require less IT staff time, common storage management tasks are now handled in a centralized, automated fashion.

Finally, the storage solution helps support the hospital's commitment to outstanding patient care. The system enables the hospital to avoid storage downtimes during power outages that have plagued the surrounding area.

Take advantage of Tivoli software

Tivoli storage management solutions from IBM have been designed to meet the requirements of healthcare facilities large and small. Address your storage requirements with proven solutions such as:

- *IBM Tivoli Storage Manager*, giving you a complete, open, highly scalable solution for backups, archives, disaster recovery, space management and more.
- *IBM Tivoli Storage Manager Express*, offering an entry-priced, disk-based backup and recovery solution that can be used by specialty clinics and outpatient centers, as well as by departments within larger healthcare facilities.
- *IBM Tivoli Continuous Data Protection for Files*, continuously protecting business-critical files and e-mail data files at the laptop and desktop levels.

When you're ready to meet today's healthcare challenges, turn to Tivoli software.

About Tivoli software from IBM

Tivoli software from IBM helps organizations efficiently and effectively manage IT resources, tasks and processes in order to meet ever-shifting government requirements and deliver flexible and responsive IT service management, while helping to reduce costs. IBM Tivoli IT Service Management solutions help drive healthcare industry objectives by optimizing the reliability, performance, security and responsiveness of IT. Tivoli software is backed by world-class IBM services, support and research.

For more information

To learn more about how IBM can help your healthcare facility protect health data and control storage costs, contact your IBM representative or IBM Business Partner, or visit **ibm.com**/tivoli

TAKE BACK CONTROL WITH Tivoli.