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Delivering Availability 24.7.365

The health care industry's ongoing IT struggle

Delivering Availability 24.7.365: The ongoing IT struggle for health care

New treatments and the rising costs of patient care — not the direct investments in IT — are the primary drivers of the increase in health care spending. But, technical demands for the health care industry are rapidly being redefined, and data management continues to be a high priority for health care facilities. Today, the exponential growth of data and the demand for 24/7 access with no tolerance for downtime for every user on every type of device — makes the ongoing struggle for IT very real.

Now, add the additional layer of complexity with government and industry regulations that require minimum data retention periods for as long as 100 years — an incredibly difficult proposition, considering the sheer amount of health care data generated by an aging population. The stakes are higher in this industry, with the cost of any gap in health care data measured not only in the loss of time and money, but potentially in human lives. Patient data matters. Access to patient data 24.7.365 matters even more. Every modern health care business today must function as an Always-On Enterprise™.

Key industry challenges:

- **Data privacy MUST be maintained** — Encryption features, data access security features and delegation features are key points

- **Availability for all systems MUST be guaranteed** — ZERO downtime tolerance. Customers and end- users expect 24.7.365 Availability for ALL applications and data with complete visibility

- **Data MUST be retained long term** — Depending on local regulations, retention laws may be significant. Consequently, tape or deduplication devices are crucial for long-term retention

- **Misperception of complicated IT solutions** — Most IT organizations assume that finding agile Availability solutions that work for remote and branch office locations involve excessive complexities and high costs

Veeam® Availability Suite™ addresses these health care challenges with solutions that:

- **Recover data without compromising security.** There is no tolerance for downtime today, because confidential-data exposure can result in business-crippling fines and a disastrous impact to the organization. Customers, physicians, external facilities, department heads and staff expect 24.7.365 Availability. Despite this, third-party encryption services dramatically complicate data security. Veeam's Availability solutions deliver low recovery time and recovery point objectives (RTPO™) of < 15 minutes for ALL applications and data — all while helping maintain a simple and transparent infrastructure with complete visibility and securing backup data with end-to-end AES 256-bit encryption without any negative impact on built-in compression.

- **Modernize data protection through a transparent infrastructure offering complete visibility.** Aggressive retention standards, growing customer demands and increasing IT-infrastructure complexity all make it challenging for health care facilities to adequately safeguard the growing amount of sensitive data they're required to store and protect. Veeam resource optimization and configuration tracking helps you evaluate the performance of your infrastructure and ensures existing configurations meet all known best practices, while also enabling 24/7, real-time monitoring and alerting.

- **Simplify and automate with built-in disaster recovery to save time and money.** The health care industry is highly regulated and required to follow some of the most demanding standards in all of business. One of the most challenging requirements is consistently executing annual disaster recovery (DR) testing, which is both expensive and labor-intensive. Veeam simplifies this procedure with built-in DR testing through SureBackup® and SureReplica technologies. Veeam guarantees RTPO of <15 minutes for ALL applications and data, as well as simplifying proof-of-compliance with automated reporting.

- **Manage multiple departments, remote offices and branch facilities via a single pane-of-glass.** Remote Office/ Branch Office (ROBO) centralization consumes significant bandwidth and resources for every health care organization. Veeam Enterprise Manager centralizes server management from multiple locations into a single view and empowers individual IT admin to manage assigned virtual machines (VMs), without allowing multi-tenant reporting to compromise the remainder of the data. Veeam also enables health care facilities to keep more data local at each individual branch location to decrease recovery times and bandwidth consumption.

- **Complete app-to-metal visibility.** Microsoft System Center administrators require real-time monitoring and visibility of their Microsoft Hyper-V and VMware vSphere environments to power their Always-On Enterprise. Veeam Management Pack™ (MP) v8 for System Center provides complete app-to-metal visibility for both your virtual and physical environments, creating the "big-picture" view of your entire virtualized infrastructure — and all from within the native System Center Management console.

- **Worry-free solutions.** Veeam's solutions reduce complexity to provide peace of mind by delivering the needed automation and reliability to remain Always-On™.

Today, more than 255,000 businesses across all industries have replaced their legacy backup solutions and switched to Veeam so they can better meet the Availability needs of their health care IT ecosystem. These customers embrace virtualization and cloud technologies to enable Availability 24.7.365.

Catalent Pharma

Veeam Reduces VM Recovery Time From One Week to Hours Following Data Center Fire

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Catalent

"Before we deployed Veeam, an incremental backup of the file server at the Swindon site took 24 hours. With Veeam, it takes about an hour. We can also restore a VM 97 percent faster than before. What used to take 12 hours with the physical backup process now takes 20 minutes or less with Veeam. Veeam was a brilliant choice for Catalent."

Dave Clark,
Senior Infrastructure Engineer,
Catalent Pharma Solutions

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Oxford University Hospitals NHS Trust

Large Health Care Trust Ensures Ongoing Patient Carewith Veeam Backup & Replication

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Oxford University Hospitals

"With plans to virtualize more of our virtual estate, we needed a disaster recovery solution specifically tailored for a virtual environment. At the same time, it had to provide the best possible performance at the lowest cost. Veeam Backup & Replication™ has fulfilled all these needs and more, allowing us to take advantage of the benefits of virtualization without putting patients at risk through unsuitable data protection."

Kevin Woodley,
Data Center Manager,
Oxford Health Informatics Service

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Roswell Park Cancer Institute

Healthcare Enterprise Needs Enterprise-level Backup and Recovery

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Roswell Park Cancer Institute

"The backup tools we tried using were industry leaders but were definitely not enterprise solutions. We required fast, reliable and scalable backup and recovery. If any one of our critical systems fails, our business stops; plus we must be able to prove we can quickly restore backups for HIPAA and other regulatory requirements."

Nick Vega,
Network System Specialist,
Roswell Park Cancer Institute

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Takeda UK

Pharmaceutical Company Chooses Veeam to Speed Backups, Eliminate Inconsistencies and Unify Data Protection

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Kindred Healthcare

Healthcare Company Monitors Wellbeing of VMs in HP Operations Manager

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Leisureworld

VM Replication with Veeam and Riverbed Saves Healthcare Company $250,000

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Western Health

Western Health Protects Wellness of Hyper-V Environment with Veeam

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Cwm Taf Health Board

Healthcare Organisation Prescribes Veeam to Save Time and Money in Multi-Hypervisor Environment
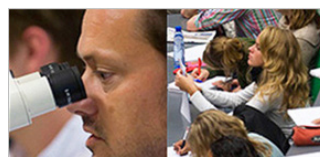
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Hirslanden Private Hospital Group

Hospital Group Prescribes Veeam for Better Backup, Recovery, VMware and Backup Management

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The Academic Medical Centre (AMC)

Veeam Management Pack for System Center Monitors Health and Well-Being of Hospital's VDI
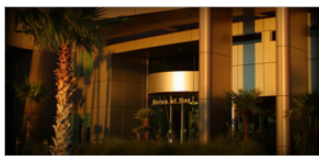
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AMBU

Medical Equipment Company Resuscitates 24x7 Availability with Veeam

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Helen of Troy

Consumer Products Company Standardizes Global Datacenters with Cisco UCS and Veeam

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Haven of Hope Christian Service

Not-for-Profit Healthcare Organisation Trusts Veeam Availability Suite for 4-hour DR

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Transform

Medical Group Transforms Data Protection and Storage Capacity by Combining Veeam and Nimble Storage
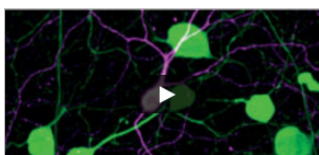
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Alliance Healthcare

Czech Republic's Leading Pharmaceutical Provider Relies on Veeam for Backup, Recovery, Monitoring and Reporting of Virtual Environment

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Friedrich Miescher Institute

Veeam Backup & Replication Streamlines DR Testing at International Biomedical Research Institute

Learn more

JGL

Pharmaceutical Company Meets RTOs, RPOs and Regulatory Requirements with Veeam

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Phonak AG

Backup Speed Increases by 80 Percent; RTO Improves by 98 Percent

Learn more

Want to view more customer success stories? Go to: https://www.veeam.com/success-stories.html

Conclusion

Veeam recognizes the new challenges organizations of all sizes across the globe face in enabling the Always-On Business™, one that must operate 24.7.365. To address this, Veeam has pioneered a new market of Availability for the Always-On Enterprise™. Unlike"Legacy Backup"solutions which provide recovery time (RTO) and recovery point objectives (RPO) of hours or days, Veeam helps enterprises meet (RTPOs) < than 15 minutes for ALL applications and data. This is achieved through a fundamentally new kind of holistic solution that delivers high-speed recovery, data loss avoidance, verified recoverability, leveraged data and complete visibility. Veeam Availability Suite, which includes Veeam Backup & Replication™, leverages virtualization, storage and cloud technologies that enable the modern data center to help organizations save time, mitigate risks and dramatically reduce capital and operational costs.

Learn more: www.veeam.com/health-care

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