SCALE BACKUP

SCALEMATRIX
Cloud. Colocation. Managed IT.

veeAM

Availability for the Always-On Enterprise
The Ongoing IT Struggle for the Manufacturing Industry

The manufacturing industry is redefining the way it operates to meet the demands of the Always-On digital world. As transformative technologies are emerging, manufacturers have to cope with endpoints upsurge, data volumes that continue to grow at an exponential rate, and a more complex framework regarding information security and data protection.

To cope with digital transformation and ensure access to data 24.7.365, over 255,000 organizations across all industries have switched to Veeam®. Veeam leverages the power of virtualization and cloud technologies, helping you ensure data availability 24.7.365 and remain Always-On.

Veeam enables:

- **Production and enterprise continuity.** Any downtime of your manufacturing endpoints or supply chain processes impacts your output and profitability dramatically. Veeam ensures **2-in-1: backup and replication™** to make sure your data is always available, with optimal recovery point and time objectives (RTPOs) of <15 minutes for ALL applications and critical data.

- **Data Availability without compromising security.** When confidential engineering data or other critical trade and business information is being drafted, reliable backup is paramount. To compromise even one highly innovative idea could cost the business millions of dollars. Veeam secures data backup with **end-to-end AES 256-bit encryption** at source, in-flight, and at rest, without any negative impact on built-in compression.

- **Simplified built-in disaster recovery to save you time and money.** One of the most challenging regulation calls for consistently executing annual disaster recovery (DR) testing. With **built-in DR testing** through innovative technologies, Veeam simplifies this process, guaranteeing the lowest RTPOs, as well as simplified proof-of-compliance with automated reporting.

- **Complete visibility to ensure compliance.** Regulations require proper data retention, Availability and increased storage needs. Veeam's resource optimization and 24.7.365 real-time reporting capabilities help evaluate your infrastructure and ensure existing configurations meet all standards. Data reduction features, such as built-in compression and deduplication, help save cost without sacrificing performance.

- **Single pane-of-glass management.** Remote office/branch office (ROBO) centralization requires significant bandwidth and resources. Veeam centralizes server management from multiple locations into a single view, preventing multi-tenant reporting from compromising data. Veeam also enables the ability to keep more data local at each individual branch, warehouse or production facility location, to decrease recovery times and bandwidth consumption.

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Veeam® Availability Suite™ delivers enterprise-wide *Availability for the Always-On Enterprise*™ by delivering RTPO of <15 minutes for ALL applications and data.

High-Speed Recovery:

Rapid recovery of what you want, the way you want it

- **Instant VM Recovery™:** Recover VMs in *less than two minutes* with Veeam's patented vPower® technology, so your users maintain productivity while you provision storage, extract a backup and copy it to production.
- **Instant file-level recovery:** Recover files and folders on the fly directly from an image-level backup, including Windows and Linux VMs — or from any of the 17 supported guest file systems.
- **Veeam Explorer™ series:** Quickly restore individual items directly from backups *for Microsoft Active Directory, Exchange, SharePoint* and *SQL Server*. Also, get transaction-level recovery of Oracle databases, including agentless transaction log backup with Veeam Explorer for Oracle. Leverage existing snapshot capabilities from HPE, EMC and NetApp within minutes for recovery of single files or entire VMs from storage snapshots.

Data Loss Avoidance:

Near-continuous data protection and streamlined disaster recovery

- **End-to-end AES 256-bit encryption:** Remain compliant and protected by securing backups at the source (during backup), in-flight and at rest with no impact on built-in compression and WAN acceleration.
- **2-in-1: backup and replication™:** Easily replicate data/servers to a second site and maintain backups in a *ready-to-start state*.
- **Unlimited Scale-out Backup Repository™:** Create a single, virtual pool of backup storage to assign backups, offering the freedom to easily extend backup storage as needed by adding additional storage devices to the pool.
- **Built-in WAN Acceleration:** Increase remote backup data transfers across the WAN *up to 50x faster*.
- **ROBO (Remote Office/Branch Office) support:** Get additional ROBO enhancements to improve scalability, provide faster backup and recovery and reduce WAN bandwidth consumption, and for enterprises with five to 500 remote locations, by keeping more data local at remote offices to improve RTOs and RPOs.
- **Veeam Cloud Connect:** Avoid catastrophic data loss for your organization by moving backups off site to a hosted cloud repository and continue to access and recover data directly via the Veeam backup console. With v9, Veeam Cloud Connect also includes replication to provide fast and secure cloud-based DR through a service provider.
- **Native tape support:** Remain compliant while simplifying long-term retention by archiving entire VMs or individual files to tape and restoring data from tape as needed.
- **Backup from Storage Snapshots:** Create backups and replicas from storage snapshots for HPE, EMC and NetApp as needed and with little-to-no impact on production, 20x faster backups and improved DR protection.

Verified Recoverability:

Guaranteed recovery of every file, application, or virtual server, every time

- **SureBackup®:** Verify backup recoverability every time. Test and run backups in an isolated production environment to verify recoverability.
- **SureReplica (for VMware):** Check each replica configuration and test in a virtual environment to guarantee recovery before deployment.

Complete Visibility:

Proactive monitoring and alerting

- **24x7 real-time monitoring and alerting:** Receive notification of backup and VM performance issues with alarms to avoid downtime and meet service level agreements (SLAs).
- **Resource optimization and configuration tracking:** Evaluate the performance of your infrastructure and ensures that existing configurations meet all known best practices.
- **Capacity planning and forecasting:** Forecast resource usage and utilization trends with "what if" modeling and resource overcommit tracking for your backup and virtual infrastructures.
- **Multi-tenant monitoring and reporting (for VMware):** Securely delegate reporting and monitoring to admins over a limited scope of assigned VMs.

With Veeam, manufacturers are experiencing business continuity and no major digital disruptions, improved capacity planning, and a significant increase in operational efficiency due to the reduced complexity of the solutions. Veeam customer satisfaction remains high, while employees are more productive and cost savings are increasing.
But don't just take our word for it!

Volvo Car Belux

"Veeam was the only solution we trusted to recover within four hours. Now dealers have peace of mind knowing their backups are offsite and readily available for fast recovery. They've greatly minimized their risk for data loss because Simac and Veeam will get them up and running quickly."

Marc Scheir,
IT Project Manager

MacLean-Fogg Company

"The reliability you get with Veeam is unfathomable. If you've made the move from physical to virtual, why would you continue using a physical backup tool in a virtual environment?"

Raymond Ciscon,
Senior Systems Engineer

TATA Global Beverages Ltd.

"We've used Veeam Backup Management Suite since day one of our virtualization project. If you're using VMware, you should be using Veeam too."

Sabu Hameed
IT Infrastructure Architect